

# Englist.me



## Vocabulary Builder Reference from...

*Philip Lubin: How humanity can reach the stars | TED Talk*

[https://www.ted.com/talks/philip\\_lubin\\_how\\_humanity\\_can\\_reach\\_the\\_stars](https://www.ted.com/talks/philip_lubin_how_humanity_can_reach_the_stars)

### All Words

#### IMPORTANT

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## Session 1: Word List

### discuss

v. to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic

*synonym*: talk about, converse, debate

(1) **discuss** options, (2) **discuss** solutions

We need to **discuss** the next steps for the project during our meeting tomorrow.

### flashlight

n. a portable electric light with a handle and a switch that can be turned on and off

*synonym*: torch, lamp, beacon

(1) **flashlight** beam, (2) **flashlight** batteries

He used a backup **flashlight** to find his way through the dark cave.

### illuminate

v. to light something or to make something lighter or brighter; to make something free from confusion or ambiguity

*synonym*: brighten, light, adorn

(1) **illuminate** a dark hall, (2) **illuminate** my understanding

That biologist **illuminated** the mechanism of heredity.

## environment

*n.* the natural world such as air, water, and land in which humans, animals, and plants live

*synonym* : atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**

Every human is responsible for taking care of the Earth's **environment**.

## illuminating

*adj.* making something clear or easy to understand; providing light

*synonym* : enlightening, informative, clarifying

(1) **illuminating** light, (2) an **illuminating** answer

The lecture was **illuminating** and gave me a new perspective on the topic.

## suddenly

*adv.* quickly and unexpectedly

*synonym* : abruptly, unexpectedly, unawares

(1) **suddenly** attacked by an enemy, (2) die **suddenly**

Who answers **suddenly** knows little.

## spacecraft

*n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments

*synonym* : spaceship, satellite, probe

(1) **spacecraft** launch, (2) alien **spacecraft**

The human-crewed **spacecraft** successfully landed on the moon, fulfilling its mission.

## exhaust

*n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired

*synonym* : emission, fumes, (verb) deplete

(1) **exhaust** pipe, (2) **exhaust** a topic

The factory's **exhaust** fumes polluted the air and affected the health of the nearby residents.

## chemistry

*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions

(1) professor of **chemistry**, (2) the **chemistry** of soil

He is familiar with **chemistry** and biology.

## orbit

*n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.

*synonym*: path, course, trajectory

(1) the **orbit** of the moon, (2) a planetary **orbit**

The rocket engine is used to put the satellite into **orbit**.

## propel

*v.* to move, drive or push something forward or in a particular direction, often with a lot of force

*synonym*: drive, push, move

(1) **propel** growth, (2) **propel** the ship

An increase in employment helps **propel** economic growth.

## laser

*n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

*synonym*: beam, bar, ray

(1) **laser** printer, (2) pulse **laser**

The company holds patents on core components of **laser** jet printers.

## synchronize

*v.* to happen or cause to happen at the same time or rate

*synonym*: coordinate, accompany, harmonize

(1) **synchronize** movements, (2) **synchronize** our watches

The ball speed will increase when the lower body movements are perfectly **synchronized**.

## gang

*n.* a group of people who organize and engage in criminal activity

*synonym*: crew, posse, group

(1) a motorcycle **gang**, (2) **gang** member

The street **gang** was known for its violent behavior.

## gigantic

*adj.* extremely large

*synonym*: huge, enormous, immense

(1) **gigantic** proportions, (2) **gigantic** monsters

He was so hungry from the long journey that he had a **gigantic** appetite.

## array

*n.* a large group or collection of things or people, especially one that is impressive or attractive

*synonym*: collection, display, batch

(1) a two-dimensional **array**, (2) an **array** of troops

The customer on the Internet has to choose one from a formidable **array** of products.

## phase

*n.* any stage in a series of events, change, or development

*synonym*: degree, stage, step

(1) enter on the last **phase**, (2) two- **phase** structure

The era of the industrial revolution was a crucial **phase** of history.

## sufficient

*adj.* adequate; enough for a particular purpose or requirement

*synonym*: acceptable, ample, satisfactory

(1) **sufficient** time, (2) self- **sufficient** economy

That candidate does not have **sufficient** means to win an election with certainty.

## roughly

*adv.* approximately but not precisely; with a violent manner

*synonym*: approximately, more or less, around

(1) **roughly** explain my idea, (2) **roughly** speaking

Five miles is **roughly** similar to eight kilometers.

## initial

*adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

*synonym*: basic, primary, beginning

(1) **initial** velocity, (2) an **initial** letter

They took the **initial** step toward reconciliation.

## probe

*n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

*synonym*: investigation, inquiry, examination

(1) a lunar **probe**, (2) **probe** for inside information

NASA sent a **probe** to study the atmosphere of Jupiter.

## photon

*n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

*synonym*: particle, quantum, light

(1) **photon** emission, (2) **photon** energy

Infrared cameras detect **photons** in the infrared range of the electromagnetic spectrum.

## earnest

*adj.* characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment

*synonym*: sincere, serious, genuine

(1) **earnest** attempt, (2) **earnest** conversation

He spoke in an **earnest** tone, expressing his genuine concern for the safety of everyone involved.

## consume

*v.* to spend something, especially fuel, energy, or time, in a large amount

*synonym*: absorb, ingest, use up

(1) **consume** a large of alcohol, (2) **consume** electricity

A smaller car will **consume** less fuel.

## dominate

*v.* to have or control a lot of power and influence over somebody or something

*synonym*: govern, rule, prevail

(1) **dominate** possession, (2) **dominate** over the weak

The perspective of his right brain **dominates** his consciousness.

## fiber

*n.* thread or filament used to make a vegetable tissue, mineral material, or textile

*synonym* : yarn, thread, wool

(1) carbon **fiber**, (2) synthetic **fiber**

We must consume dietary **fiber** to maintain good health.

## optics

*n.* the academic study of vision and light

(1) **optics** technology, (2) fiber **optics**

Einstein's new **optics** theory transformed traditional scientific notions about light.

## essentially

*adv.* relating to the essential features or concepts of anything

*synonym* : fundamentally, basically, virtually

(1) **essentially** correct, (2) become **essentially** same

**Essentially**, a society is an organism.

## vast

*adj.* enormous in size, number, amount, or quantity

*synonym* : expansive, extended, boundless

(1) **vast** majority, (2) **vast** desert

A **vast** audience viewed the broadcast.

## infinite

*adj.* unlimited or very great; impossible to measure

*synonym* : boundless, countless, limitless

(1) **infinite** appetite, (2) **infinite** in supply

The battle had an **infinite** impact on the nation.

## projectile

*n.* an object or weapon that is propelled through the air, with or without explosive power; something that is launched or thrown with great force

*synonym* : missile, bullet, rocket

(1) **projectile** weapon, (2) **projectile** motion

The **projectile** launched from the cannon soared and landed in the target zone.

## ballistic

*adj.* relating to or resembling the motion or behavior of a projectile in flight; intensely angry or out of control

*synonym* :

furious, explosive, enraged

(1) **ballistic** missile, (2) **ballistic** vest

The boss went **ballistic** when he found out we missed the deadline.

## remotely

*adv.* at a distance; not directly or easily accessible

*synonym*: distantly, remotely, slightly

(1) **remotely** operate, (2) control **remotely**

The company can **remotely** access its employees' computers for troubleshooting purposes.

## Jovian

*adj.* relating to Jupiter or its characteristics

*synonym*: Jupiter, giant planet

(1) **Jovian** satellites, (2) **Jovian** planet

The **Jovian** moon Europa is believed to have an ocean beneath its icy surface.

## flyby

*n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit

*synonym*: passby, flyover, whizz by

(1) **flyby** mission, (2) a five-plane **flyby**

The spacecraft will conduct a **flyby** of the moon to gather data.

## magnetic

*adj.* having the properties of attracting or repelling certain materials containing iron or steel

*synonym*: attractive, drawing, hypnotic

(1) **magnetic** field, (2) a **magnetic** tape

The **magnetic** force of the earth keeps our planet spinning.

## particle

*n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance

*synonym*: atom, grain, bit

(1) charged **particle**, (2) **particle** energy

We can calculate the position of the **particles** statistically.

## density

*n.* the quality of compactness of a substance

*synonym* : tightness, viscosity

(1) population **density**, (2) higher pixel **density**

Do you know the **density** of the population in Hong Kong?

## explore

*v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it

*synonym* : analyze, delve into, examine

(1) **explore** the world, (2) **explore** our options

The management must **explore** strategies to increase office security.

## exoplanet

*n.* a planet that orbits a star outside of the solar system

(1) the closest **exoplanet** to Earth, (2) **exoplanet** mission

The **exoplanet** Kepler-186f is located 500 light-years from Earth and is believed to be habitable.

## atmospheric

*adj.* about or located in the earth's atmosphere

*synonym* : atmospherical, climatic

(1) doubling of **atmospheric** carbon dioxide,

(2) **atmospheric** pressure

The sea surface temperature and **atmospheric** circulation are inextricably linked.

## biosignature

*n.* distinctive chemical or physical features that indicate the presence of past or current life

*synonym* : indicators, signs, evidence

(1) **biosignatures** detection, (2) **biosignatures** discovery

Scientists are searching for **biosignatures** on other planets that could indicate the presence of life.

## dramatic

*adj.* very sudden, very excellent, or full of action and excitement

*synonym* : striking, theatrical, breathtaking

(1) make **dramatic** changes, (2) a **dramatic** rescue at sea



The statement had a **dramatic** impact on house prices.

## universe

*n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

*synonym* : cosmos, macrocosm

(1) theory of the **universe**, (2) expansion of the **universe**

The **universe** is about 13.8 billion years old.

## economics

*n.* the branch of social science that deals with the production, consumption, and transfer of goods and services

*synonym* : social science, finance, business

(1) welfare **economics**, (2) **economics** professor

His class will cover an introduction to agricultural **economics**.

## inappropriate

*adj.* not suitable or proper for a particular occasion, purpose, or person

*synonym* : improper, unsuitable, unacceptable

(1) **inappropriate** behavior, (2) **inappropriate** language

It was highly **inappropriate** to make jokes during a serious business meeting.

## interstellar

*adj.* relating to or located in the space between stars

*synonym* : galactic, cosmic, intergalactic

(1) **interstellar** communication, (2) **interstellar** space

The **interstellar** medium comprises gas, dust, and cosmic rays that fill the space between stars.

## achieve

*v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do

*synonym* : accomplish, attain, reach

(1) **achieve** success, (2) **achieve** milestones

I will work hard to **achieve** my goals and realize my dreams.

## economical

*adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary

*synonym* : frugal, thrifty, parsimonious

(1) **economical** use of her time, (2) an **economical** meal

It is more **economical** to wash your plastic bottle and reuse it.

## affordable

*adj.* not expensive and able to pay

*synonym* : cheap, reasonable, inexpensive

(1) **affordable** housing, (2) **affordable** solution

The automaker has been providing **affordable** car financing options since last year.

## lab

*n.* a workplace for the conduct of scientific research; a laboratory

*synonym* : workshop, laboratory, research chamber

(1) **lab** instrument, (2) medical **lab**

The Prime Minister will pay a courtesy visit to the Nobel laureate's **lab**.

## inexpensive

*adj.* costing little; having a low price

*synonym* : cheap, affordable, economical

(1) **inexpensive** option, (2) an **inexpensive** inn

The restaurant offered delicious food at an **inexpensive** price.

## transmit

*v.* to send or forward an electronic signal; to pass something from one person or thing to another

*synonym* : convey, share, dispatch

(1) **transmit** the disease, (2) **transmit** information

Parents often **transmit** their characteristics to their children.

## relativism

*n.* the belief that truth, knowledge, or morality are not absolute or objective but instead relative to the context in which they are perceived or determined

*synonym* : subjectivism, skepticism

(1) linguistic **relativism**, (2) cultural **relativism**

Moral **relativism** suggests that there is no objective right or wrong.

## flee

v. to leave by running away, especially out of fear or danger

*synonym*: exit, escape, run away

(1) **flee** their homes, (2) **flee** abroad

It is a basic instinct to **flee** from a dangerous situation.

## planet

n. any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

*synonym*: earth, world, globe

(1) **planet** like the Earth, (2) save the **planet**

Mercury is the closest **planet** to the sun.

## defend

v. to protect someone or something from attack, criticism, danger, etc.

*synonym*: protect, guard, support

(1) **defend** my country, (2) **defend** against a threat

International law allows each nation to **defend** itself when its rights and interests are illegally violated.

## debris

n. broken or torn fragments of something

*synonym*: remains, remnants, garbage

(1) space **debris**, (2) pile of **debris**

Marine **debris** is a major continuous global problem.

## removal

n. the act of taking something away or off from a particular place

*synonym*: extraction, elimination, eradication

(1) dental tartar **removal**, (2) **removal** truck

The **removal** of the statue caused much controversy in the community.

## distant

*adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship

*synonym* : far, isolated, remote

(1) a **distant** memory, (2) **distant** ancestors

The sun set over the crest of **distant** hills.

## asset

*n.* something or someone that is useful or valuable quality, skill, etc.; valuable property

*synonym* : aid, resource, equity

(1) frozen **assets**, (2) liquid **assets** of the company

A sense of humor is an invaluable **asset** in this job.

## versatile

*adj.* able to do many things in different fields; having many talents

*synonym* : adaptable, protean, universal

(1) provide a **versatile** solution, (2) a **versatile** writer

He's a **versatile** actor who has acted in various parts.

## develop

*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created

*synonym* : evolve, progress, advance

(1) **develop** a strategy, (2) **develop** a skill

We must **develop** a new system to streamline our workflow and increase efficiency.

## feasible

*adj.* capable of being or likely to be made, done, or achieved

*synonym* : achievable, possible, attainable

(1) economically **feasible**, (2) **feasible** assumption

It is not **feasible** and inefficient to complete many tasks at once.

## inevitable

*adj.* certain to happen and unavoidable

*synonym* : inescapable, unavoidable, sure

(1) **inevitable** changes of the seasons, (2) **inevitable** result

In times of recession, an increase in unemployment is **inevitable**.

### **fine-tune**

*v.* to make tiny changes or improvements to make it work as well as possible

*synonym*: adjust, calibrate, refine

(1) **fine-tune** financial systems, (2) **fine-tune** the engine

The government should not try to **fine-tune** the economy excessively based on a short-term prediction.

### **prototype**

*n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed

*synonym*: mock-up, precursor, model

(1) complete a **prototype** product, (2) early **prototype**

The flying car is presently in the **prototype** stage.

### **process**

*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

*synonym*: procedure, method, system

(1) **process** improvement, (2) decision-making **process**

The **process** for applying for a visa can be lengthy and complicated.

### **revolutionary**

*adj.* relating to or characterized by a complete or dramatic change

*synonym*: radical, innovative, groundbreaking

(1) **revolutionary** change, (2) enforce **revolutionary** justice

The **revolutionary** leader inspired others to join the fight for freedom and democracy.

### **transform**

*v.* to change in outward structure or looks;

*synonym*: alter, convert, change

(1) **transform** an education system, (2) **transform** heat into power

My father's death **transformed** my life completely.

## evolutionary

*adj.* relating to or denoting how living things develop or change from earlier forms

*synonym*: developmental, mutative, transformative

(1) ecology and **evolutionary** biology, (2) the **evolutionary** process

**Evolutionary** algorithms can find ways to optimize that humans do not anticipate.

## inspire

*v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

*synonym*: boost, encourage, enlighten

(1) **inspire** a feeling of curiosity, (2) **inspire** him to write a novel

The unique style of this martial arts **inspired** many action film producers.

## lifetime

*n.* the duration of someone's life or something's existence;

*synonym*: lifespan, duration

(1) **lifetime** benefits, (2) **lifetime** ban from the sport

She had lived through two world wars in her **lifetime**.

## consequence

*n.* the outcome of a particular action or event, especially relative to an individual

*synonym*: result, impact, outcome

(1) unintended **consequences**, (2) the **consequence** of an argument

These economic activities had disastrous environmental **consequences**.

## overcome

*v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone

*synonym*: beat, confound, overwhelm

(1) **overcome** opponents, (2) **overcome** all difficulties

He tried to **overcome** a bad reputation and win the election.

## foremost

*adj.* most important, leading, or prominent

*synonym* : leading, primary, first

(1) **foremost** expert, (2) keep **foremost** in mind

The **foremost** priority is the safety of the passengers.

## exploration

*n.* the activity of searching and finding out about something through a place

*synonym* : inquiry, quest, investigation

(1) future of space **exploration**, (2) an Arctic **exploration**

He called for a careful **exploration** of the consequences.

## profound

*adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension

*synonym* : deep, unsounded, far-reaching

(1) a **profound** book, (2) the **profound** depths of the sea

My mother's illness had a **profound** impact on us all.

## incredibly

*adv.* in a way that is very difficult to believe; exceedingly or extremely

*synonym* : enormously, exceptionally, extraordinarily

(1) **incredibly** cheerful character, (2) get **incredibly** insecure

Several cities are experiencing **incredibly** high unemployment rates.

## complexity

*n.* the state or quality of being complicated or intricate and difficult to understand

*synonym* : intricacy, sophistication, elaboration

(1) cognitive **complexity**, (2) **complexity** theory

The project's **complexity** made it difficult for the team to complete it on time.

## extraordinary

*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

*synonym* : exceptional, noteworthy, astonishing

(1) **extraordinary** ability, (2) **extraordinary** weather  
He narrated the **extraordinary** story of his adventure.

## **chirp**

*n.* a short, sharp sound that is made by birds or insects or by electronic devices such as alarms or beepers

*synonym* : tweet, chirrup, peep

(1) the **chirp** of a bird, (2) the **chirp** of a cricket

The sound of the **chirp** woke me up early in the morning.



## Session 2: Spelling

1. la\_\_r printer *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
  
2. cultural rel\_\_\_\_\_sm *n.* the belief that truth, knowledge, or morality are not absolute or objective but instead relative to the context in which they are perceived or determined
  
3. ex\_\_\_\_\_t a topic *n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired
  
4. ov\_\_\_\_\_me all difficulties *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
  
5. tr\_\_\_\_\_it information *v.* to send or forward an electronic signal; to pass something from one person or thing to another
  
6. cognitive com\_\_\_\_\_ty *n.* the state or quality of being complicated or intricate and difficult to understand
  
7. ac\_\_\_\_\_e milestones *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
  
8. fe\_\_\_\_\_le assumption *adj.* capable of being or likely to be made, done, or achieved
  
9. g\_\_g member *n.* a group of people who organize and engage in criminal activity

ANSWERS: 1. laser, 2. relativism, 3. exhaust, 4. overcome, 5. transmit, 6. complexity, 7. achieve, 8. feasible, 9. gang

10. pro\_\_\_\_\_le motion *n.* an object or weapon that is propelled through the air, with or without explosive power; something that is launched or thrown with great force
11. complete a pr\_\_\_\_\_pe product *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
12. doubling of atm\_\_\_\_\_ic carbon dioxide *adj.* about or located in the earth's atmosphere
13. ill\_\_\_\_\_te my understanding *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
14. re\_\_\_\_\_ly operate *adv.* at a distance; not directly or easily accessible
15. bio\_\_\_\_\_ures discovery *n.* distinctive chemical or physical features that indicate the presence of past or current life
16. pr\_\_\_\_l the ship *v.* to move, drive or push something forward or in a particular direction, often with a lot of force
17. su\_\_\_\_\_ly attacked by an enemy *adv.* quickly and unexpectedly
18. syn\_\_\_\_\_ze our watches *v.* to happen or cause to happen at the same time or rate
19. ma\_\_\_\_\_ic field *adj.* having the properties of attracting or repelling certain materials containing iron or steel
20. pulse la\_\_r *n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification

ANSWERS: 10. projectile, 11. prototype, 12. atmospheric, 13. illuminate, 14. remotely, 15. biosignature, 16. propel, 17. suddenly, 18. synchronize, 19. magnetic, 20. laser

21. spa\_\_\_\_\_ft launch *n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
22. aff\_\_\_\_\_le housing *adj.* not expensive and able to pay
23. tr\_\_\_\_\_rm heat into power *v.* to change in outward structure or looks;
24. a two-dimensional ar\_\_y *n.* a large group or collection of things or people, especially one that is impressive or attractive
25. ov\_\_\_\_\_me opponents *v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
26. ill\_\_\_\_\_ing light *adj.* making something clear or easy to understand; providing light
27. keep fo\_\_\_\_\_st in mind *adj.* most important, leading, or prominent
28. fi\_\_\_\_\_ne financial systems *v.* to make tiny changes or improvements to make it work as well as possible
29. ine\_\_\_\_\_le changes of the seasons *adj.* certain to happen and unavoidable
30. pro\_\_\_\_\_le weapon *n.* an object or weapon that is propelled through the air, with or without explosive power; something that is launched or thrown with great force
31. ex\_\_\_\_\_t pipe *n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired
32. carbon fi\_\_r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile

ANSWERS: 21. spacecraft, 22. affordable, 23. transform, 24. array, 25. overcome, 26. illuminating, 27. foremost, 28. fine-tune, 29. inevitable, 30. projectile, 31. exhaust, 32. fiber

33. tr\_\_\_\_it the disease      *v.* to send or forward an electronic signal; to pass something from one person or thing to another
34. pr\_\_e for inside information      *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something
35. de\_\_\_\_d against a threat      *v.* to protect someone or something from attack, criticism, danger, etc.
36. self-suf\_\_\_\_\_nt economy      *adj.* adequate; enough for a particular purpose or requirement
37. do\_\_\_\_te over the weak      *v.* to have or control a lot of power and influence over somebody or something
38. gi\_\_\_\_ic monsters      *adj.* extremely large
39. pa\_\_\_\_le energy      *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
40. frozen as\_\_ts      *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
41. ina\_\_\_\_\_ate language      *adj.* not suitable or proper for a particular occasion, purpose, or person
42. com\_\_\_\_ty theory      *n.* the state or quality of being complicated or intricate and difficult to understand
43. syn\_\_\_\_\_ze movements      *v.* to happen or cause to happen at the same time or rate

ANSWERS: 33. transmit, 34. probe, 35. defend, 36. sufficient, 37. dominate, 38. gigantic, 39. particle, 40. asset, 41. inappropriate, 42. complexity, 43. synchronize

44. in\_\_\_\_\_te in supply *adj.* unlimited or very great; impossible to measure
45. a ve\_\_\_\_\_le writer *adj.* able to do many things in different fields; having many talents
46. the ch\_\_\_\_\_ry of soil *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
47. the evo\_\_\_\_\_ary process *adj.* relating to or denoting how living things develop or change from earlier forms
48. v\_\_t desert *adj.* enormous in size, number, amount, or quantity
49. ph\_\_\_n emission *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
50. ext\_\_\_\_\_ary ability *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
51. fla\_\_\_\_\_ht batteries *n.* a portable electric light with a handle and a switch that can be turned on and off
52. chaotic env\_\_\_\_\_nt *n.* the natural world such as air, water, and land in which humans, animals, and plants live
53. int\_\_\_\_\_lar space *adj.* relating to or located in the space between stars
54. the ch\_\_p of a cricket *n.* a short, sharp sound that is made by birds or insects or by electronic devices such as alarms or beepers

ANSWERS: 44. infinite, 45. versatile, 46. chemistry, 47. evolutionary, 48. vast, 49. photon, 50. extraordinary, 51. flashlight, 52. environment, 53. interstellar, 54. chirp

55. fl\_\_y mission *n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
56. Jo\_\_\_n satellites *adj.* relating to Jupiter or its characteristics
57. ine\_\_\_\_\_le result *adj.* certain to happen and unavoidable
58. in\_\_\_\_\_te appetite *adj.* unlimited or very great; impossible to measure
59. ex\_\_\_\_\_et mission *n.* a planet that orbits a star outside of the solar system
60. ex\_\_\_\_\_e the world *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
61. ecology and evo\_\_\_\_\_ary biology *adj.* relating to or denoting how living things develop or change from earlier forms
62. a ma\_\_\_\_\_ic tape *adj.* having the properties of attracting or repelling certain materials containing iron or steel
63. pl\_\_\_t like the Earth *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
64. the ch\_\_p of a bird *n.* a short, sharp sound that is made by birds or insects or by electronic devices such as alarms or beepers
65. the con\_\_\_\_\_ce of an argument *n.* the outcome of a particular action or event, especially relative to an individual

ANSWERS: 55. flyby, 56. Jovian, 57. inevitable, 58. infinite, 59. exoplanet, 60. explore, 61. evolutionary, 62. magnetic, 63. planet, 64. chirp, 65. consequence

66. di\_\_\_\_t ancestors *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
67. the or\_\_t of the moon *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
68. ro\_\_\_\_y explain my idea *adv.* approximately but not precisely; with a violent manner
69. ro\_\_\_\_y speaking *adv.* approximately but not precisely; with a violent manner
70. space de\_\_\_\_s *n.* broken or torn fragments of something
71. an ar\_\_y of troops *n.* a large group or collection of things or people, especially one that is impressive or attractive
72. ph\_\_\_\_n energy *n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation
73. v\_\_t majority *adj.* enormous in size, number, amount, or quantity
74. fi\_\_\_\_ne the engine *v.* to make tiny changes or improvements to make it work as well as possible
75. ba\_\_\_\_ic missile *adj.* relating to or resembling the motion or behavior of a projectile in flight; intensely angry or out of control
76. atm\_\_\_\_ic pressure *adj.* about or located in the earth's atmosphere

ANSWERS: 66. distant, 67. orbit, 68. roughly, 69. roughly, 70. debris, 71. array, 72. photon, 73. vast, 74. fine-tune, 75. ballistic, 76. atmospheric

77. pile of de\_\_\_s *n.* broken or torn fragments of something
78. suf\_\_\_\_\_nt time *adj.* adequate; enough for a particular purpose or requirement
79. get inc\_\_\_\_\_ly insecure *adv.* in a way that is very difficult to believe; exceedingly or extremely
80. tr\_\_\_\_\_rm an education system *v.* to change in outward structure or looks;
81. enter on the last ph\_\_e *n.* any stage in a series of events, change, or development
82. early pr\_\_\_\_\_pe *n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
83. welfare ec\_\_\_\_\_cs *n.* the branch of social science that deals with the production, consumption, and transfer of goods and services
84. charged pa\_\_\_\_\_le *n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
85. int\_\_\_\_\_lar communication *adj.* relating to or located in the space between stars
86. ea\_\_\_\_\_t conversation *adj.* characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment
87. di\_\_\_\_\_s options *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
88. ec\_\_\_\_\_cs professor *n.* the branch of social science that deals with the production, consumption, and transfer of goods and services

ANSWERS: 77. debris, 78. sufficient, 79. incredibly, 80. transform, 81. phase, 82. prototype, 83. economics, 84. particle, 85. interstellar, 86. earnest, 87. discuss, 88. economics



89. ess\_\_\_\_\_ly correct *adv.* relating to the essential features or concepts of anything
90. synthetic fi\_\_r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
91. ext\_\_\_\_\_ary weather *adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual
92. an Arctic exp\_\_\_\_\_on *n.* the activity of searching and finding out about something through a place
93. li\_\_\_\_\_me ban from the sport *n.* the duration of someone's life or something's existence;
94. theory of the un\_\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
95. do\_\_\_\_\_te possession *v.* to have or control a lot of power and influence over somebody or something
96. in\_\_\_\_\_e him to write a novel *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
97. li\_\_\_\_\_me benefits *n.* the duration of someone's life or something's existence;
98. ina\_\_\_\_\_ate behavior *adj.* not suitable or proper for a particular occasion, purpose, or person
99. a lunar pr\_\_e *n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

ANSWERS: 89. essentially, 90. fiber, 91. extraordinary, 92. exploration, 93. lifetime, 94. universe, 95. dominate, 96. inspire, 97. lifetime, 98. inappropriate, 99. probe

100. future of space exp_____on	<i>n.</i> the activity of searching and finding out about something through a place
101. the pr_____nd depths of the sea	<i>adj.</i> extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
102. higher pixel de_____y	<i>n.</i> the quality of compactness of a substance
103. f__e their homes	<i>v.</i> to leave by running away, especially out of fear or danger
104. fiber op____s	<i>n.</i> the academic study of vision and light
105. become ess_____ly same	<i>adv.</i> relating to the essential features or concepts of anything
106. de_____p a strategy	<i>v.</i> to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
107. a five-plane fl__y	<i>n.</i> a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit
108. rev_____ary change	<i>adj.</i> relating to or characterized by a complete or dramatic change
109. fo_____st expert	<i>adj.</i> most important, leading, or prominent
110. op____s technology	<i>n.</i> the academic study of vision and light
111. control re_____ly	<i>adv.</i> at a distance; not directly or easily accessible

ANSWERS: 100. exploration, 101. profound, 102. density, 103. flee, 104. optics, 105. essentially, 106. develop, 107. flyby, 108. revolutionary, 109. foremost, 110. optics, 111. remotely

112. co\_\_\_\_\_e a large of alcohol      *v.* to spend something, especially fuel, energy, or time, in a large amount
113. linguistic rel\_\_\_\_\_sm      *n.* the belief that truth, knowledge, or morality are not absolute or objective but instead relative to the context in which they are perceived or determined
114. economically fe\_\_\_\_\_le      *adj.* capable of being or likely to be made, done, or achieved
115. enforce rev\_\_\_\_\_ary justice      *adj.* relating to or characterized by a complete or dramatic change
116. in\_\_\_\_\_l velocity      *adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
117. professor of ch\_\_\_\_\_ry      *n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
118. save the pl\_\_\_\_t      *n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
119. the closest ex\_\_\_\_\_et to Earth      *n.* a planet that orbits a star outside of the solar system
120. in\_\_\_\_\_e a feeling of curiosity      *v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
121. fla\_\_\_\_\_ht beam      *n.* a portable electric light with a handle and a switch that can be turned on and off

ANSWERS: 112. consume, 113. relativism, 114. feasible, 115. revolutionary, 116. initial, 117. chemistry, 118. planet, 119. exoplanet, 120. inspire, 121. flashlight

122. f\_\_e abroad *v.* to leave by running away, especially out of fear or danger
123. a di\_\_\_\_t memory *adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship
124. di\_\_\_\_s solutions *v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
125. ine\_\_\_\_ve option *adj.* costing little; having a low price
126. a planetary or\_\_t *n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
127. a dr\_\_\_\_ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
128. inc\_\_\_\_ly cheerful character *adv.* in a way that is very difficult to believe; exceedingly or extremely
129. a pr\_\_\_\_nd book *adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
130. l\_b instrument *n.* a workplace for the conduct of scientific research; a laboratory
131. liquid as\_\_ts of the company *n.* something or someone that is useful or valuable quality, skill, etc.; valuable property
132. population de\_\_\_\_y *n.* the quality of compactness of a substance
133. expansion of the un\_\_\_\_se *n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy

ANSWERS: 122. flee, 123. distant, 124. discuss, 125. inexpensive, 126. orbit, 127. dramatic, 128. incredibly, 129. profound, 130. lab, 131. asset, 132. density, 133. universe

134. ea\_\_\_\_t attempt *adj.* characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment
135. an ill\_\_\_\_\_ing answer *adj.* making something clear or easy to understand; providing light
136. an eco\_\_\_\_\_al meal *adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
137. an ine\_\_\_\_\_ve inn *adj.* costing little; having a low price
138. ex\_\_\_\_\_e our options *v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
139. env\_\_\_\_\_nt affairs *n.* the natural world such as air, water, and land in which humans, animals, and plants live
140. de\_\_\_\_\_p a skill *v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
141. pr\_\_\_\_l growth *v.* to move, drive or push something forward or in a particular direction, often with a lot of force
142. medical l\_b *n.* a workplace for the conduct of scientific research; a laboratory
143. two-ph\_\_e structure *n.* any stage in a series of events, change, or development

ANSWERS: 134. earnest, 135. illuminating, 136. economical, 137. inexpensive, 138. explore, 139. environment, 140. develop, 141. propel, 142. lab, 143. phase

144. bio\_\_\_\_\_ures detection *n.* distinctive chemical or physical features that indicate the presence of past or current life
145. make dr\_\_\_\_\_ic changes *adj.* very sudden, very excellent, or full of action and excitement
146. gi\_\_\_\_\_ic proportions *adj.* extremely large
147. pr\_\_\_\_\_s improvement *n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products
148. ac\_\_\_\_\_e success *v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
149. ill\_\_\_\_\_te a dark hall *v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
150. die su\_\_\_\_\_ly *adv.* quickly and unexpectedly
151. Jo\_\_\_\_n planet *adj.* relating to Jupiter or its characteristics
152. provide a ve\_\_\_\_\_le solution *adj.* able to do many things in different fields; having many talents
153. ba\_\_\_\_\_ic vest *adj.* relating to or resembling the motion or behavior of a projectile in flight; intensely angry or out of control

ANSWERS: 144. biosignature, 145. dramatic, 146. gigantic, 147. process, 148. achieve, 149. illuminate, 150. suddenly, 151. Jovian, 152. versatile, 153. ballistic

154. alien spa\_\_\_\_\_ft  
*n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments
155. unintended con\_\_\_\_\_ces  
*n.* the outcome of a particular action or event, especially relative to an individual
156. co\_\_\_\_\_e electricity  
*v.* to spend something, especially fuel, energy, or time, in a large amount
157. an in\_\_\_\_\_l letter  
*adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name
158. dental tartar re\_\_\_\_\_l  
*n.* the act of taking something away or off from a particular place
159. eco\_\_\_\_\_al use of her time  
*adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
160. re\_\_\_\_\_l truck  
*n.* the act of taking something away or off from a particular place
161. de\_\_\_\_d my country  
*v.* to protect someone or something from attack, criticism, danger, etc.
162. aff\_\_\_\_\_le solution  
*adj.* not expensive and able to pay
163. decision-making pr\_\_\_\_\_s  
*n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 154. spacecraft, 155. consequence, 156. consume, 157. initial, 158. removal, 159. economical, 160. removal, 161. defend, 162. affordable, 163. process

164. a motorcycle g\_\_g

*n.* a group of people who organize and engage in criminal activity

ANSWERS: 164. gang



## Session 3: Fill in the Blanks

1. The factory's \_\_\_\_\_ fumes polluted the air and affected the health of the nearby residents.  
*n.* the system in a vehicle that removes waste gases from the engine; (verb) to make someone completely tired
2. We need to \_\_\_\_\_ the next steps for the project during our meeting tomorrow.  
*v.* to talk about or examine in detail through conversation or debate; to exchange ideas, opinions, or information on a particular topic
3. He's a \_\_\_\_\_ actor who has acted in various parts.  
*adj.* able to do many things in different fields; having many talents
4. Do you know the \_\_\_\_\_ of the population in Hong Kong?  
*n.* the quality of compactness of a substance
5. The company holds patents on core components of \_\_\_\_\_ jet printers.  
*n.* a device that emits powerful and narrow light that can be used as a tool to cut metal through a process of optical amplification
6. The Prime Minister will pay a courtesy visit to the Nobel laureate's \_\_\_\_\_.  
*n.* a workplace for the conduct of scientific research; a laboratory
7. We can calculate the position of the \_\_\_\_\_ statistically.  
*n.* a small piece of something; a word or piece of a term with grammatical function but little or no significance
8. Scientists are searching for \_\_\_\_\_ on other planets that could indicate the presence of life.  
*n.* distinctive chemical or physical features that indicate the presence of past or current life

ANSWERS: 1. exhaust, 2. discuss, 3. versatile, 4. density, 5. laser, 6. lab, 7. particles, 8. biosignatures

9. She had lived through two world wars in her \_\_\_\_\_.
- n.* the duration of someone's life or something's existence;
10. In times of recession, an increase in unemployment is \_\_\_\_\_.
- adj.* certain to happen and unavoidable
11. It is more \_\_\_\_\_ to wash your plastic bottle and reuse it.
- adj.* providing a satisfactory return on the money, time, or effort; not using more money, fuel, etc. than necessary
12. The \_\_\_\_\_ is about 13.8 billion years old.
- n.* everything that exists, especially all physical matter, including planets, stars, galaxies, and all other forms of matter and energy
13. The statement had a \_\_\_\_\_ impact on house prices.
- adj.* very sudden, very excellent, or full of action and excitement
14. He was so hungry from the long journey that he had a \_\_\_\_\_ appetite.
- adj.* extremely large
15. Moral \_\_\_\_\_ suggests that there is no objective right or wrong.
- n.* the belief that truth, knowledge, or morality are not absolute or objective but instead relative to the context in which they are perceived or determined
16. The \_\_\_\_\_ launched from the cannon soared and landed in the target zone.
- n.* an object or weapon that is propelled through the air, with or without explosive power; something that is launched or thrown with great force

ANSWERS: 9. lifetime, 10. inevitable, 11. economical, 12. universe, 13. dramatic, 14. gigantic, 15. relativism, 16. projectile

17. Who answers \_\_\_\_\_ knows little.

*adv.* quickly and unexpectedly

18. NASA sent a \_\_\_\_\_ to study the atmosphere of Jupiter.

*n.* a tool used for testing or examining, especially for medical or scientific purposes, or an exploratory mission to a planet or other celestial body; (verb) to investigate, examine, or search into something

19. These economic activities had disastrous environmental \_\_\_\_\_.

*n.* the outcome of a particular action or event, especially relative to an individual

20. \_\_\_\_\_ a society is an organism.

*adv.* relating to the essential features or concepts of anything

21. My father's death \_\_\_\_\_ my life completely.

*v.* to change in outward structure or looks;

22. The era of the industrial revolution was a crucial \_\_\_\_\_ of history.

*n.* any stage in a series of events, change, or development

23. He spoke in an \_\_\_\_\_ tone, expressing his genuine concern for the safety of everyone involved.

*adj.* characterized by sincere and severe conviction or effort; showing a deep and a genuine sense of purpose or commitment

24. The sun set over the crest of \_\_\_\_\_ hills.

*adj.* far away in space, time, or where you are; far apart in relevance, relationship, or kinship

ANSWERS: 17. suddenly, 18. probe, 19. consequences, 20. Essentially, 21. transformed, 22. phase, 23. earnest, 24. distant

25. The \_\_\_\_\_ of the statue caused much controversy in the community.  
*n.* the act of taking something away or off from a particular place
26. The sound of the \_\_\_\_\_ woke me up early in the morning.  
*n.* a short, sharp sound that is made by birds or insects or by electronic devices such as alarms or beepers
27. International law allows each nation to \_\_\_\_\_ itself when its rights and interests are illegally violated.  
*v.* to protect someone or something from attack, criticism, danger, etc.
28. The government should not try to \_\_\_\_\_ the economy excessively based on a short-term prediction.  
*v.* to make tiny changes or improvements to make it work as well as possible
29. That biologist \_\_\_\_\_ the mechanism of heredity.  
*v.* to light something or to make something lighter or brighter; to make something free from confusion or ambiguity
30. The lecture was \_\_\_\_\_ and gave me a new perspective on the topic.  
*adj.* making something clear or easy to understand; providing light
31. We must \_\_\_\_\_ a new system to streamline our workflow and increase efficiency.  
*v.* to grow or expand; to improve or refine through a process of progress and refinement, often to achieve greater sophistication or complexity; to elaborate or add detail to something that is in the process of being created
32. The street \_\_\_\_\_ was known for its violent behavior.  
*n.* a group of people who organize and engage in criminal activity

ANSWERS: 25. removal, 26. chirp, 27. defend, 28. fine-tune, 29. illuminated, 30. illuminating, 31. develop, 32. gang

33. He is familiar with \_\_\_\_\_ and biology.  
*n.* the branch of the natural sciences dealing with the composition of substances and their properties and reactions
34. The rocket engine is used to put the satellite into \_\_\_\_\_.  
*n.* the path of an object around a celestial body, especially a planet, star, or moon, under the influence of gravity.
35. The \_\_\_\_\_ moon Europa is believed to have an ocean beneath its icy surface.  
*adj.* relating to Jupiter or its characteristics
36. The \_\_\_\_\_ leader inspired others to join the fight for freedom and democracy.  
*adj.* relating to or characterized by a complete or dramatic change
37. Einstein's new \_\_\_\_\_ theory transformed traditional scientific notions about light.  
*n.* the academic study of vision and light
38. The \_\_\_\_\_ priority is the safety of the passengers.  
*adj.* most important, leading, or prominent
39. The boss went \_\_\_\_\_ when he found out we missed the deadline.  
*adj.* relating to or resembling the motion or behavior of a projectile in flight; intensely angry or out of control
40. A sense of humor is an invaluable \_\_\_\_\_ in this job.  
*n.* something or someone that is useful or valuable quality, skill, etc.; valuable property

ANSWERS: 33. chemistry, 34. orbit, 35. Jovian, 36. revolutionary, 37. optics, 38. foremost, 39. ballistic, 40. asset

41. The project's \_\_\_\_\_ made it difficult for the team to complete it on time.  
*n.* the state or quality of being complicated or intricate and difficult to understand
42. The management must \_\_\_\_\_ strategies to increase office security.  
*v.* to travel to or penetrate an area or a country to learn about it; to thoroughly examine a subject or a possibility to learn more about it
43. He tried to \_\_\_\_\_ a bad reputation and win the election.  
*v.* to succeed in controlling or dealing with something, such as a problem or difficulty; to defeat or overwhelm someone
44. The perspective of his right brain \_\_\_\_\_ his consciousness.  
*v.* to have or control a lot of power and influence over somebody or something
45. It is not \_\_\_\_\_ and inefficient to complete many tasks at once.  
*adj.* capable of being or likely to be made, done, or achieved
46. My mother's illness had a \_\_\_\_\_ impact on us all.  
*adj.* extremely great; sensed or experienced very strongly; displaying a high level of knowledge or comprehension
47. The customer on the Internet has to choose one from a formidable \_\_\_\_\_ of products.  
*n.* a large group or collection of things or people, especially one that is impressive or attractive
48. The spacecraft will conduct a \_\_\_\_\_ of the moon to gather data.  
*n.* a close approach to a celestial body, especially a planet, by a spacecraft without landing or entering orbit

ANSWERS: 41. complexity, 42. explore, 43. overcome, 44. dominates, 45. feasible, 46. profound, 47. array, 48. flyby

49. \_\_\_\_\_ algorithms can find ways to optimize that humans do not anticipate.

*adj.* relating to or denoting how living things develop or change from earlier forms

50. Infrared cameras detect \_\_\_\_\_ in the infrared range of the electromagnetic spectrum.

*n.* a unit or quantum of electromagnetic energy, typically regarded as a particle that is the basic constituent of all light and other forms of electromagnetic radiation

51. He used a backup \_\_\_\_\_ to find his way through the dark cave.

*n.* a portable electric light with a handle and a switch that can be turned on and off

52. The unique style of this martial arts \_\_\_\_\_ many action film producers.

*v.* to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative

53. It was highly \_\_\_\_\_ to make jokes during a serious business meeting.

*adj.* not suitable or proper for a particular occasion, purpose, or person

54. Five miles is \_\_\_\_\_ similar to eight kilometers.

*adv.* approximately but not precisely; with a violent manner

55. The battle had an \_\_\_\_\_ impact on the nation.

*adj.* unlimited or very great; impossible to measure

56. An increase in employment helps \_\_\_\_\_ economic growth.

*v.* to move, drive or push something forward or in a particular direction, often with a lot of force

ANSWERS: 49. Evolutionary, 50. photons, 51. flashlight, 52. inspired, 53. inappropriate, 54. roughly, 55. infinite, 56. propel

57. Several cities are experiencing \_\_\_\_\_ high unemployment rates.

*adv.* in a way that is very difficult to believe; exceedingly or extremely

58. The sea surface temperature and \_\_\_\_\_ circulation are inextricably linked.

*adj.* about or located in the earth's atmosphere

59. They took the \_\_\_\_\_ step toward reconciliation.

*adj.* of or happening at the beginning; (noun) the first letter of a word, especially a person's name

60. Mercury is the closest \_\_\_\_\_ to the sun.

*n.* any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star

61. It is a basic instinct to \_\_\_\_\_ from a dangerous situation.

*v.* to leave by running away, especially out of fear or danger

62. The human-crewed \_\_\_\_\_ successfully landed on the moon, fulfilling its mission.

*n.* a vehicle designed to travel through space, typically carrying astronauts or scientific instruments

63. He narrated the \_\_\_\_\_ story of his adventure.

*adj.* exceptional, unexpected, very unusual; surpassing the ordinary or usual

64. The \_\_\_\_\_ medium comprises gas, dust, and cosmic rays that fill the space between stars.

*adj.* relating to or located in the space between stars

ANSWERS: 57. incredibly, 58. atmospheric, 59. initial, 60. planet, 61. flee, 62. spacecraft, 63. extraordinary, 64. interstellar



65. The ball speed will increase when the lower body movements are perfectly \_\_\_\_\_.
- v.* to happen or cause to happen at the same time or rate
66. We must consume dietary \_\_\_\_\_ to maintain good health.
- n.* thread or filament used to make a vegetable tissue, mineral material, or textile
67. The flying car is presently in the \_\_\_\_\_ stage.
- n.* a first or preliminary example of something such as a device or vehicle from which other forms are developed
68. Every human is responsible for taking care of the Earth's \_\_\_\_\_.
- n.* the natural world such as air, water, and land in which humans, animals, and plants live
69. That candidate does not have \_\_\_\_\_ means to win an election with certainty.
- adj.* adequate; enough for a particular purpose or requirement
70. Marine \_\_\_\_\_ is a major continuous global problem.
- n.* broken or torn fragments of something
71. The \_\_\_\_\_ Kepler-186f is located 500 light-years from Earth and is believed to be habitable.
- n.* a planet that orbits a star outside of the solar system
72. The \_\_\_\_\_ for applying for a visa can be lengthy and complicated.
- n.* a series of actions or operations performed to achieve a particular outcome or goal; a systematic procedure or approach used to accomplish a specific task or objective; a method of treating milk to make it suitable for consumption or use in other dairy products

ANSWERS: 65. synchronized, 66. fiber, 67. prototype, 68. environment, 69. sufficient, 70. debris, 71. exoplanet, 72. process

73. His class will cover an introduction to agricultural \_\_\_\_\_.
- n.* the branch of social science that deals with the production, consumption, and transfer of goods and services
74. I will work hard to \_\_\_\_\_ my goals and realize my dreams.
- v.* to successfully complete a task or goal, often through hard work, perseverance, and dedication; to attain or accomplish something that one has set out to do
75. Parents often \_\_\_\_\_ their characteristics to their children.
- v.* to send or forward an electronic signal; to pass something from one person or thing to another
76. The automaker has been providing \_\_\_\_\_ car financing options since last year.
- adj.* not expensive and able to pay
77. He called for a careful \_\_\_\_\_ of the consequences.
- n.* the activity of searching and finding out about something through a place
78. The \_\_\_\_\_ force of the earth keeps our planet spinning.
- adj.* having the properties of attracting or repelling certain materials containing iron or steel
79. The company can \_\_\_\_\_ access its employees' computers for troubleshooting purposes.
- adv.* at a distance; not directly or easily accessible
80. A smaller car will \_\_\_\_\_ less fuel.
- v.* to spend something, especially fuel, energy, or time, in a large amount

ANSWERS: 73. economics, 74. achieve, 75. transmit, 76. affordable, 77. exploration, 78. magnetic, 79. remotely, 80. consume

81. The restaurant offered delicious food at an \_\_\_\_\_ price.

*adj.* costing little; having a low price

82. A \_\_\_\_\_ audience viewed the broadcast.

*adj.* enormous in size, number, amount, or quantity

ANSWERS: 81. inexpensive, 82. vast