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Vocabulary Builder Reference from...

Markus Fischer: A robot that flies like a bird | TED Talk

https://www.ted.com/talks/markus_fischer_a_robot_that_flies_like_a_bird

All Words

IMPORTANT

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Session 1: Word List

humankind

n. the whole of the living human inhabitants of the earth
synonym: humanity, human race, society

(1) **humankind** as a species, (2) history of **humankind**

On the geological time scale, **humankind** has existed for a brief moment.

agile

adj. able to move quickly and easily, often in a way that is graceful and controlled

synonym: nimble, quick, flexible

(1) an **agile** mind, (2) **agile** in his movements

The **agile** development process allowed the team to make changes quickly.

rot

v. to decay, or cause something to decay, naturally and gradually

synonym: perish, decay, corrode

(1) begin to **rot**, (2) **rot** with age

Please refrigerate the meat, or it will **rot**.

component

n. one of several parts that combines with others to form something bigger

synonym: element, part, factor

(1) key **component**, (2) spare **components** for cars

The researchers try to discover a common **component** in all types of successful organizations.

flap

n. a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

synonym : winged object, cover, (verb) flutter

(1) the **flap** of wings, (2) **flap** out a candle

The **flap** of the tent was open, letting in the fresh air.

aerodynamics

n. the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars

synonym : aeromechanics, aeronautics, airflow

(1) **aerodynamics** research, (2) **aerodynamics** design

The **aerodynamics** of the car allowed it to glide smoothly through the air.

gull

n. a seabird with long wings, short legs, and usually black and white or grey and white feathers

synonym : seagull

(1) a white sea **gull**, (2) **gull** family

Because **gulls** are gliding birds, their wings are long and slender.

swoop

v. to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon

synonym : dart, pounce

(1) **swoop** down the water slide, (2) **swoop** up the escalator

The eagle **swooped** down from the sky to catch its prey.

specialize

v. to become an expert in a specific career field, study, or business

synonym : narrow down, particularize

(1) **specialize** in child care, (2) **specialize** in market research

The restaurant has chefs who **specialize** in beef.

glider

n. a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents

synonym : sailplane, soaring bird

(1) **glider** club, (2) paper- **glider**

The hang- **glider** enthusiast looked at the clear skies, anticipating a perfect day to take flight.

indoor

adj. located, happened, or used inside a building

(1) an **indoor** pool, (2) designed for **indoor** use

Table tennis is an **indoor** sport.

lightweight

adj. composed of thinner and lighter material than average; not severe or impressive

(1) **lightweight** aircraft, (2) **lightweight** structure

Powder coating protects the **lightweight** aluminum alloy components.

automatic

adj. able to work or operate with little or no direct human control; independent of external control

synonym : mechanical, robotic, intuitive

(1) **automatic** operation, (2) the **automatic** shrinking of the pupils

In passenger aircraft, it is common to use an **automatic** pilot during cruising.

structure

n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts

synonym : construction, architecture, establishment

(1) the **structure** of a machine, (2) **structure** and function of the brain

The organizational **structure** of start-ups is often flat and straightforward.

efficient

adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials

synonym : productive, effective, competent

(1) **efficient** operation, (2) energy- **efficient** appliances

The new washing machine is much more **efficient** than the old one.

pneumatic

adj. relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas

synonym : air-powered, gas-pressure, compressed-air

(1) **pneumatic** tire, (2) **pneumatic** cylinder

The mechanic used a **pneumatic** drill to repair the engine.

phenomenon

n. something that exists and can be perceptible, especially one that is not fully understood

synonym : marvel, wonder, splendor

(1) natural **phenomenon**, (2) historical **phenomenon**

A rainbow is a natural **phenomenon**.

belt

v. to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body

synonym : sing, hit hard, (noun) strap

(1) **belt** him in the face, (2) leather **belt**

The band was **belting** out old songs in response to audience requests.

wingspan

n. the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures

synonym : reach, spread, extent

(1) bird **wingspan**, (2) airplane **wingspan**

The bald eagle has an impressive **wingspan** of over 7 feet.

gram

n. a metric unit of weight equal to one-thousandth of a kilogram

(1) centimeter- **gram-second** system, (2) **gram** amount
How much is it per one hundred **grams**?

carbon

n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals

(1) **carbon** dioxide, (2) **carbon** emission

Trees absorb **carbon** dioxide and give off oxygen.

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.

motor

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

synonym : actuator, engine, machine

(1) a **motor** mechanic, (2) DC **motor** control

Energy-efficient **motors** are needed to maximize the cruising distance of electric vehicles.

gear

n. a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose

synonym : equipment, tools, apparatus

(1) sports **gear**, (2) a **gear** change lever

She checked her **gear** before embarking on the hike.

transfer

v. to move, pass, or change from one person, place, or situation to another

synonym : move, relocate, shift

(1) **transfer** a file, (2) **transfer** power

She **transferred** the money from her savings account to her checking account.

circulation

n. the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold

synonym: flow, movement, dissemination

(1) lymphatic **circulation**, (2) **circulation** of money

The **circulation** of the magazine has been steadily declining.

mechanical

adj. operated by a machine, relating to or concerned with machinery or tools

synonym: machinelike, automated, automatic

(1) a **mechanical** style of writing, (2) the influence of **mechanical** action

A **mechanical** engineer is still in demand in many companies.

possibility

n. a chance that something may happen or be true

synonym: chance, prospect, likelihood

(1) **possibility** for growth, (2) **possibility** of a major earthquake

The **possibility** of getting the disease will drastically increase.

propulsion

n. the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means

synonym: propelling, driving, actuation

(1) **propulsion** technology, (2) nuclear **propulsion**

The spacecraft's **propulsion** system helped it travel through space.

coordinate

v. to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree

synonym : organize, harmonize, ordinate

(1) **coordinate** a special project, (2) a **coordinate** clause
We want to **coordinate** a schedule for the investigation.

movement

n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively

synonym : motion, progression, action

(1) a circular **movement**, (2) **movement** of troops
The **movement** of the dancers on stage was graceful and elegant.

split

v. to divide, or to make something divide into two or more parts, especially along a particular line

synonym : break, divide, break apart

(1) **split** a bill, (2) **split** a reward equally
Companies often **split** their shares to lower the stock price and encourage investors to buy.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym : raise, elevate, move up

(1) **lift** sagging skin, (2) **lift** a ban on alcohol
The drought **lifted** the prices of grain globally.

efficiency

n. the state or quality of doing something well with no waste of input such as time or money

synonym : effectiveness, efficacy, productivity

(1) better fuel **efficiency**, (2) an energy **efficiency**
Our company must continue to strive for greater **efficiency**.

calculate

v. to judge or find out the amount or number of something by using mathematics

synonym : compute, figure, estimate

(1) **calculate** the distance, (2) **calculate** his credit score

He couldn't **calculate** the actual value of the artwork.

torsion

n. a twisting force that can deform or damage a structure or material, typically produced by a rotational motion

synonym: twisting, torsion, torque

(1) **torsion** stress, (2) **torsion** angle

The **torsion** on the suspension bridge caused it to sway in the wind.

consumption

n. the amount used or eaten; the act of using up a resource such as energy, food, or materials

synonym: usage, uptake, utilization

(1) average fuel **consumption**, (2) the **consumption** of food

In our country, water **consumption** usually decreases during the winter.

watt

n. a standard unit for measuring electrical power

(1) 30- **watt** light bulb, (2) **watt** per square meter

Several hectares of land are needed to generate more than 1-mega **watt** solar power.

takeoff

n. a departure, especially of airplanes; the initial ascent of an airplane as it becomes airborne

synonym: leaving, departure, liftoff

(1) vertical **takeoff**, (2) **takeoff** run

Our aircraft is now ready for **takeoff**.

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.

Session 2: Spelling

- | | |
|---------------------------------------|---|
| 1. sports g__r | <i>n.</i> a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose |
| 2. w__t per square meter | <i>n.</i> a standard unit for measuring electrical power |
| 3. a white sea g__l | <i>n.</i> a seabird with long wings, short legs, and usually black and white or grey and white feathers |
| 4. cir_____on of money | <i>n.</i> the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold |
| 5. mo_____nt of troops | <i>n.</i> a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively |
| 6. carbon fi__r | <i>n.</i> thread or filament used to make a vegetable tissue, mineral material, or textile |
| 7. the influence of mec_____al action | <i>adj.</i> operated by a machine, relating to or concerned with machinery or tools |
| 8. the f__p of wings | <i>n.</i> a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion |

ANSWERS: 1. gear, 2. watt, 3. gull, 4. circulation, 5. movement, 6. fiber, 7. mechanical, 8. flap

9. pn_____ic cylinder *adj.* relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas
10. key co_____nt *n.* one of several parts that combines with others to form something bigger
11. natural phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
12. energy-ef_____nt appliances *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
13. an ag__e mind *adj.* able to move quickly and easily, often in a way that is graceful and controlled
14. bird wi_____an *n.* the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures
15. ag__e in his movements *adj.* able to move quickly and easily, often in a way that is graceful and controlled
16. spare co_____nts for cars *n.* one of several parts that combines with others to form something bigger
17. history of hu_____nd *n.* the whole of the living human inhabitants of the earth
18. an in___r pool *adj.* located, happened, or used inside a building

ANSWERS: 9. pneumatic, 10. component, 11. phenomenon, 12. efficient, 13. agile, 14. wingspan, 15. agile, 16. component, 17. humankind, 18. indoor

19. nuclear pro_____on *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
20. lig_____ht aircraft *adj.* composed of thinner and lighter material than average; not severe or impressive
21. average fuel con_____on *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
22. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
23. l__t a ban on alcohol *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
24. a coo_____te clause *v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
25. an energy eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
26. historical phe_____on *n.* something that exists and can be perceptible, especially one that is not fully understood
27. hu_____nd as a species *n.* the whole of the living human inhabitants of the earth

ANSWERS: 19. propulsion, 20. lightweight, 21. consumption, 22. rot, 23. lift, 24. coordinate, 25. efficiency, 26. phenomenon, 27. humankind

28. to_____n angle *n.* a twisting force that can deform or damage a structure or material, typically produced by a rotational motion
29. gl____r club *n.* a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents
30. the con_____on of food *n.* the amount used or eaten; the act of using up a resource such as energy, food, or materials
31. sp__t a bill *v.* to divide, or to make something divide into two or more parts, especially along a particular line
32. the st_____re of a machine *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
33. aer_____ics research *n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars
34. ca_____te the distance *v.* to judge or find out the amount or number of something by using mathematics
35. paper-gl____r *n.* a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents
36. sw__p down the water slide *v.* to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon

ANSWERS: 28. torsion, 29. glider, 30. consumption, 31. split, 32. structure, 33. aerodynamics, 34. calculate, 35. glider, 36. swoop

37. sp__t a reward equally *v.* to divide, or to make something divide into two or more parts, especially along a particular line
38. coo_____te a special project *v.* to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
39. ca_____te his credit score *v.* to judge or find out the amount or number of something by using mathematics
40. f__p out a candle *n.* a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion
41. pos_____ty for growth *n.* a chance that something may happen or be true
42. l__t sagging skin *v.* to raise something to a higher position or level; to pick up something or somebody and move them to a different position
43. 30-w__t light bulb *n.* a standard unit for measuring electrical power
44. DC mo__r control *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
45. pos_____ty of a major earthquake *n.* a chance that something may happen or be true
46. airplane wi_____an *n.* the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures

ANSWERS: 37. split, 38. coordinate, 39. calculate, 40. flap, 41. possibility, 42. lift, 43. watt, 44. motor, 45. possibility, 46. wingspan

47. lig_____ht structure *adj.* composed of thinner and lighter material than average; not severe or impressive
48. ef_____nt operation *adj.* performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
49. designed for in___r use *adj.* located, happened, or used inside a building
50. sw__p up the escalator *v.* to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon
51. a mec_____al style of writing *adj.* operated by a machine, relating to or concerned with machinery or tools
52. vertical ta_____f *n.* a departure, especially of airplanes; the initial ascent of an airplane as it becomes airborne
53. better fuel eff_____cy *n.* the state or quality of doing something well with no waste of input such as time or money
54. a g__r change lever *n.* a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose
55. au_____ic operation *adj.* able to work or operate with little or no direct human control; independent of external control

ANSWERS: 47. lightweight, 48. efficient, 49. indoor, 50. swoop, 51. mechanical, 52. takeoff, 53. efficiency, 54. gear, 55. automatic

56. pro_____on technology *n.* the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
57. to_____n stress *n.* a twisting force that can deform or damage a structure or material, typically produced by a rotational motion
58. g__m amount *n.* a metric unit of weight equal to one-thousandth of a kilogram
59. b__t him in the face *v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
60. pn_____ic tire *adj.* relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas
61. ta_____f run *n.* a departure, especially of airplanes; the initial ascent of an airplane as it becomes airborne
62. ca_____n emission *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
63. f__e abroad *v.* to leave by running away, especially out of fear or danger
64. the au_____ic shrinking of the pupils *adj.* able to work or operate with little or no direct human control; independent of external control

ANSWERS: 56. propulsion, 57. torsion, 58. gram, 59. belt, 60. pneumatic, 61. takeoff, 62. carbon, 63. flee, 64. automatic

65. f__e their homes *v.* to leave by running away, especially out of fear or danger
66. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
67. spe_____ze in child care *v.* to become an expert in a specific career field, study, or business
68. a circular mo_____nt *n.* a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
69. spe_____ze in market research *v.* to become an expert in a specific career field, study, or business
70. a mo__r mechanic *n.* a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work
71. leather b__t *v.* to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
72. tr_____er a file *v.* to move, pass, or change from one person, place, or situation to another
73. lymphatic cir_____on *n.* the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold
74. centimeter-g__m-second system *n.* a metric unit of weight equal to one-thousandth of a kilogram
75. aer_____ics design *n.* the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars

ANSWERS: 65. flee, 66. rot, 67. specialize, 68. movement, 69. specialize, 70. motor, 71. belt, 72. transfer, 73. circulation, 74. gram, 75. aerodynamics

76. synthetic fi__r *n.* thread or filament used to make a vegetable tissue, mineral material, or textile
77. tr_____er power *v.* to move, pass, or change from one person, place, or situation to another
78. st_____re and function of the brain *n.* the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
79. ca____n dioxide *n.* a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
80. g__l family *n.* a seabird with long wings, short legs, and usually black and white or grey and white feathers

ANSWERS: 76. fiber, 77. transfer, 78. structure, 79. carbon, 80. gull

Session 3: Fill in the Blanks

1. The bald eagle has an impressive _____ of over 7 feet.
n. the distance between the tips of a bird's wings when fully extended and in flight; often used to describe the size or scope of something, particularly about physical objects or structures
2. The organizational _____ of start-ups is often flat and straightforward.
n. the way of construction of something and the arrangement of its parts, or a complex thing constructed of many parts
3. The eagle _____ down from the sky to catch its prey.
v. to rapidly or forcefully descend upon something or someone from a great height or distance; to rush or pounce upon
4. The drought _____ the prices of grain globally.
v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position
5. The _____ of the car allowed it to glide smoothly through the air.
n. the study of the motion of air, particularly its interaction with solid objects moving through it, such as aircraft or cars
6. We must consume dietary _____ to maintain good health.
n. thread or filament used to make a vegetable tissue, mineral material, or textile
7. In passenger aircraft, it is common to use an _____ pilot during cruising.
adj. able to work or operate with little or no direct human control; independent of external control

ANSWERS: 1. wingspan, 2. structure, 3. swooped, 4. lifted, 5. aerodynamics, 6. fiber, 7. automatic

8. It is a basic instinct to _____ from a dangerous situation.
v. to leave by running away, especially out of fear or danger
9. The restaurant has chefs who _____ in beef.
v. to become an expert in a specific career field, study, or business
10. The spacecraft's _____ system helped it travel through space.
n. the act or process of propelling or driving something forward, often using a motor, engine, or other mechanical means
11. In our country, water _____ usually decreases during the winter.
n. the amount used or eaten; the act of using up a resource such as energy, food, or materials
12. She checked her _____ before embarking on the hike.
n. a toothed wheel that engages another toothed mechanism to change the speed or direction of transmitted motion; a set of tools, equipment, or other items for a particular purpose
13. The band was _____ out old songs in response to audience requests.
v. to sing loudly and forcefully; to hit someone or something hard; (noun) a strip of leather or other material worn to tie or buckle something around the body
14. The _____ of getting the disease will drastically increase.
n. a chance that something may happen or be true
15. How much is it per one hundred _____
n. a metric unit of weight equal to one-thousandth of a kilogram

ANSWERS: 8. flee, 9. specialize, 10. propulsion, 11. consumption, 12. gear, 13. belting, 14. possibility, 15. grams?

16. Several hectares of land are needed to generate more than 1-mega_____ solar power.

n. a standard unit for measuring electrical power

17. Please refrigerate the meat, or it will _____.

v. to decay, or cause something to decay, naturally and gradually

18. The _____ development process allowed the team to make changes quickly.

adj. able to move quickly and easily, often in a way that is graceful and controlled

19. Companies often _____ their shares to lower the stock price and encourage investors to buy.

v. to divide, or to make something divide into two or more parts, especially along a particular line

20. Energy-efficient _____ are needed to maximize the cruising distance of electric vehicles.

n. a device that converts electricity, fuel, etc. into movement and makes a machine, vehicle, etc. work

21. A _____ engineer is still in demand in many companies.

adj. operated by a machine, relating to or concerned with machinery or tools

22. The mechanic used a _____ drill to repair the engine.

adj. relating to or using air or gas under pressure, particularly in machinery or devices; operated by compressed air or gas

23. Our company must continue to strive for greater _____.

n. the state or quality of doing something well with no waste of input such as time or money

ANSWERS: 16. watt, 17. rot, 18. agile, 19. split, 20. motors, 21. mechanical, 22. pneumatic, 23. efficiency

24. The _____ on the suspension bridge caused it to sway in the wind.
n. a twisting force that can deform or damage a structure or material, typically produced by a rotational motion
25. Table tennis is an _____ sport.
adj. located, happened, or used inside a building
26. He couldn't _____ the actual value of the artwork.
v. to judge or find out the amount or number of something by using mathematics
27. On the geological time scale, _____ has existed for a brief moment.
n. the whole of the living human inhabitants of the earth
28. The researchers try to discover a common _____ in all types of successful organizations.
n. one of several parts that combines with others to form something bigger
29. The new washing machine is much more _____ than the old one.
adj. performing at the highest level of productivity with the least wasted effort or resources; capable of achieving maximum output with minimum wasted effort, time, or materials
30. A rainbow is a natural _____.
n. something that exists and can be perceptible, especially one that is not fully understood
31. Powder coating protects the _____ aluminum alloy components.
adj. composed of thinner and lighter material than average; not severe or impressive

ANSWERS: 24. torsion, 25. indoor, 26. calculate, 27. humankind, 28. component, 29. efficient, 30. phenomenon, 31. lightweight

32. She _____ the money from her savings account to her checking account.
v. to move, pass, or change from one person, place, or situation to another
33. The _____ of the dancers on stage was graceful and elegant.
n. a group of people working together to achieve a shared goal, especially a political, social, or artistic one; the process of moving or being moved, physically or figuratively
34. The hang-_____ enthusiast looked at the clear skies, anticipating a perfect day to take flight.
n. a light aircraft or small, unpowered plane that is designed to glide and soar through the air using natural winds and or thermal currents
35. Because _____ are gliding birds, their wings are long and slender.
n. a seabird with long wings, short legs, and usually black and white or grey and white feathers
36. Trees absorb _____ dioxide and give off oxygen.
n. a chemical element that can be found in pure form as diamond or graphite, and it is also an essential part of coal and oil and is found in all plants and animals
37. We want to _____ a schedule for the investigation.
v. to bring the different parts of the activity and the people into an organized, ordered, or efficient relationship; (adjective) of equal importance, rank, or degree
38. The _____ of the tent was open, letting in the fresh air.
n. a piece of material attached to a garment, sail, or aircraft which flaps in the wind; (verb) to move in a wavy pattern or with an up-and-down motion

ANSWERS: 32. transferred, 33. movement, 34. glider, 35. gulls, 36. carbon, 37. coordinate, 38. flap

39. The _____ of the magazine has been steadily declining.

- n.* the movement of blood through the body or of a fluid through a system; the number of copies of a newspaper or magazine that are sold

40. Our aircraft is now ready for _____.

- n.* a departure, especially of airplanes; the initial ascent of an airplane as it becomes airborne

ANSWERS: 39. circulation, 40. takeoff