

Englist.me



Vocabulary Builder Reference from...

David Biello: How the compass unlocked the world |

TED Talk

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

All Words

IMPORTANT

This material is a commentary and does not contain any copyrighted material of the reference source. We strongly recommend accessing/buying the reference source at the same time.

Session 1: Word List

compass

n. a navigational instrument for finding directions with a needle that can move easily and that always points to the north; the limit or range of capability

synonym : guideline, borderline, ambit

(1) read a **compass**, (2) sailing without a **compass**

The results were beyond our **compass** of imagination.

magnet

n. an object or substance that can attract certain materials, such as iron or steel

synonym : magnetite, lodestone, attracting substance

(1) **magnet** attraction, (2) permanent **magnet**

The MRI machine uses **magnets** to produce images of the body's internal organs.

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.

pole

n. one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a

support or to hang something

synonym : rod, staff, shaft

(1) a fishing **pole**, (2) the plus **pole**

The North **Pole** is the northernmost point on Earth.

needle

n. a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood

synonym : thorn, spike, pin

(1) **needle** prick, (2) sewing **needle**

The acupuncturist inserted **needles** into specific points on my body to alleviate my pain.

bounce

v. to cause to move up or away after hitting a surface; to spring back

synonym : bound, leap, spring

(1) **bounce** across the floor, (2) **bounce** back from failure

They will **bounce** between various emotional states.

magnetism

n. the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something

synonym : attraction, charisma, allure

(1) the **magnetism** of the moon, (2) animal **magnetism**

The child was drawn to the **magnetism** of the colorful toy display in the store.

mysterious

adj. difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement

synonym : enigmatic, cryptic, puzzling

(1) **mysterious** object, (2) **mysterious** stranger

The **mysterious** disappearance of the ship remains unsolved.

physicist

n. a scientist who specializes in the field of physics

(1) talented **physicist**, (2) theoretical **physicist**
Einstein was an outstanding and famous **physicist** of the 20th century.

giant

adj. enormous; much bigger or more important than similar items usually are

synonym: big, gigantic, huge

(1) **giant** trees, (2) **giant** tech company

The **giant** jets gradually dominate the world's airlines.

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.

roil

v. to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group

synonym: agitate, stir up, turbulate

(1) **roil** the water, (2) **roil** the global economy

The breakup of the famous band **roiled** their fans, leading to disappointment and sadness.

molten

adj. in a liquid state as a result of being heated

synonym: melted, liquefied, fused

(1) a **molten** image, (2) **molten** lava

The **molten** metal was poured into the mold.

spinning

n. the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn

synonym: whirling, rotating, spinning wheel

(1) **spinning** machine, (2) **spinning** wheel

She took a **spinning** class at the gym to improve her

cardiovascular fitness.

naturally

adv. as might be expected; by natural manners

synonym : by nature, inherently, intrinsically

(1) **naturally** arising, (2) **naturally** regenerated forest

He was **naturally** gifted.

fashion

n. a style that is popular at a particular time or place; the state of being popular

synonym : style, manner, fad

(1) go out of **fashion**, (2) new **fashion** trends

That style is no longer in **fashion**.

ladle

n. a large, long-handled spoon used for serving liquids, particularly soups or stews

synonym : spoon, scoop, dipper

(1) wooden **ladle**, (2) **ladle** gravy

She used a **ladle** to pour soup into the bowls.

brass

n. a metal alloy of copper and zinc; a yellowish color; a group of wind instruments made of brass

synonym : metal, alloy, copper

(1) **brass** section, (2) **brass** instruments

The **brass** band was performing at the parade.

primarily

adv. mainly

synonym : largely, mainly, mostly

(1) intended **primarily** for young people, (2) **primarily** affect adults

All peaceful cooperation is based **primarily** on mutual trust.

improve

v. to make or become better

synonym : enhance, ameliorate, enrich

(1) **improve** a process, (2) **improve** the test score

We want to **improve** ties between our two countries.

sailor

n. a person who works on a ship or other seafaring vessel, often responsible for operating the ship and performing various duties onboard

synonym : seafarer, mariner, navigator

(1) **sailor** hat, (2) navy **sailor**

The experienced **sailor** calmly steered the ship through the rough waters.

adopt

v. to choose to follow something; to legally take a child from another family and care for them as if they were one's own

synonym : accept, assume, take on

(1) **adopt** a child, (2) **adopt** a bill

The national assembly has **adopted** the budget.

innovate

v. to introduce new methods, ideas, or products

synonym : bring in, introduce, found

(1) **innovate** a new method, (2) **innovate** the quality of his life

Companies developing self-driving cars consistently **innovate** the emerging technologies.

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.

invigoration

n. the act of enlivening, energizing, or revitalizing something, particularly a person's body or mind; the feeling of being refreshed or rejuvenated after engaging in a stimulating activity

synonym : revitalization, stimulation, refreshing

(1) physical **invigoration**, (2) **invigoration** of the soul

Yoga is known for its **invigoration** of the mind and body.

Renaissance

n. a new growth in activity or enthusiasm in anything, particularly art, literature, or music

synonym : rebirth, golden age

(1) artistic **renaissance**, (2) industrial **renaissance**

Folk music is now experiencing a **renaissance**.

invention

n. the creation of a new device or process resulting from study and experimentation; the act of inventing

synonym : creation, design, innovation

(1) the **invention** of new techniques, (2) common **invention**

Necessity is the mother of **invention**.

telescope

n. a device like a tube in shape containing lenses used to magnify and observe distant objects

(1) a binocular **telescope**, (2) look through a **telescope**

This facility has the largest astronomical **telescope** in the country.

microscope

n. an instrument used to see objects or substances that are too small to be seen with the naked eye

synonym : lens, magnifier, eyepiece

(1) **microscope** slide, (2) electron **microscope**

I used an optical **microscope** to observe the small organisms in the water sample.

relation

n. the way two persons or groups of people feel and act toward one another

synonym : association, linkage, connection

(1) **relation** between cause and effect, (2) **relation** of inclusion

The industrial **relations** laws were passed with little to no alteration.

superpower

n. a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities

synonym : great power, empire, hegemony

(1) **superpower** country, (2) **superpower** leader

The ability to fly like a bird is often considered a **superpower** in comic books and movies.

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.

circumnavigate

v. to travel completely around something, particularly the Earth, by sailing, flying, or other means of transportation; to fully explore or deal with a topic or situation

synonym: navigate, sail, travel around

(1) **circumnavigate** the lake, (2) **circumnavigate** a difficult issue

After months of travel, the sailor finally managed to **circumnavigate** the globe.

globe

n. the earth or world, mainly used to emphasize its vastness

synonym: Earth, world, sphere

(1) terrestrial **globe**, (2) around the **globe**

His final goal is to sail around the **globe**.

embedded

adj. fixed firmly into the surface of something

synonym: ingrained, implanted, inserted

(1) **embedded** systems, (2) LED- **embedded** glass

The **embedded** chip in my credit card allows me to make contactless payments.

functional

adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

synonym: applicable, practical, usable

(1) field of **functional** medicine, (2) **functional** deafness

The mobile phone was still **functional** even after being

dropped.

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.

horizon

n. the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

synonym: skyline, view, visible boundary

(1) the event **horizon** of a black hole, (2) business **horizon**

As the sun set, the colors of the sky merged with the **horizon**, creating a beautiful orange and pink hue.

reliable

adj. worthy of being relied on; trustworthy

synonym: dependable, trustworthy, dedicated

(1) **reliable** access, (2) guarantee **reliable** delivery

Trains are **reliable**, inexpensive, and ideal for long-distance travel.

Session 2: Spelling

- | | |
|-------------------------------|--|
| 1. LED-em_____ed glass | <i>adj.</i> fixed firmly into the surface of something |
| 2. bo___e back from failure | <i>v.</i> to cause to move up or away after hitting a surface; to spring back |
| 3. ne___e prick | <i>n.</i> a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood |
| 4. physical inv_____ion | <i>n.</i> the act of enlivening, energizing, or revitalizing something, particularly a person's body or mind; the feeling of being refreshed or rejuvenated after engaging in a stimulating activity |
| 5. ma___t attraction | <i>n.</i> an object or substance that can attract certain materials, such as iron or steel |
| 6. ad__t a bill | <i>v.</i> to choose to follow something; to legally take a child from another family and care for them as if they were one's own |
| 7. around the gl__e | <i>n.</i> the earth or world, mainly used to emphasize its vastness |
| 8. sailing without a co_____s | <i>n.</i> a navigational instrument for finding directions with a needle that can move easily and that always points to the north; the limit or range of capability |
| 9. br__s section | <i>n.</i> a metal alloy of copper and zinc; a yellowish color; a group of wind instruments made of brass |

ANSWERS: 1. embedded, 2. bounce, 3. needle, 4. invigoration, 5. magnet, 6. adopt, 7. globe, 8. compass, 9. brass

10. sp_____ng wheel *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
11. business ho_____n *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
12. a fishing p___e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
13. ess_____ly correct *adv.* relating to the essential features or concepts of anything
14. sewing ne___e *n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood
15. gi__t tech company *adj.* enormous; much bigger or more important than similar items usually are
16. 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
17. in_____te the quality of his life *v.* to introduce new methods, ideas, or products
18. re_____le access *adj.* worthy of being relied on; trustworthy

ANSWERS: 10. spinning, 11. horizon, 12. pole, 13. essentially, 14. needle, 15. giant, 16. explore, 17. innovate, 18. reliable

19. talented ph_____st *n.* a scientist who specializes in the field of physics
20. a ma_____ic tape *adj.* having the properties of attracting or repelling certain materials containing iron or steel
21. future of space exp_____on *n.* the activity of searching and finding out about something through a place
22. electron mic_____pe *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye
23. na_____ly regenerated forest *adv.* as might be expected; by natural manners
24. im_____e the test score *v.* to make or become better
25. br__s instruments *n.* a metal alloy of copper and zinc; a yellowish color; a group of wind instruments made of brass
26. ad__t a child *v.* to choose to follow something; to legally take a child from another family and care for them as if they were one's own
27. new fa_____n trends *n.* a style that is popular at a particular time or place; the state of being popular
28. r__l the water *v.* to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group
29. r__l the global economy *v.* to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group

ANSWERS: 19. physicist, 20. magnetic, 21. exploration, 22. microscope, 23. naturally, 24. improve, 25. brass, 26. adopt, 27. fashion, 28. roil, 29. roil

30. sup_____er country *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
31. industrial ren_____ce *n.* a new growth in activity or enthusiasm in anything, particularly art, literature, or music
32. inv_____ion of the soul *n.* the act of enlivening, energizing, or revitalizing something, particularly a person's body or mind; the feeling of being refreshed or rejuvenated after engaging in a stimulating activity
33. re_____on of inclusion *n.* the way two persons or groups of people feel and act toward one another
34. sp_____ng machine *n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
35. cir_____ate the lake *v.* to travel completely around something, particularly the Earth, by sailing, flying, or other means of transportation; to fully explore or deal with a topic or situation
36. gi__t trees *adj.* enormous; much bigger or more important than similar items usually are
37. re_____on between cause and effect *n.* the way two persons or groups of people feel and act toward one another
38. the plus p__e *n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something

ANSWERS: 30. superpower, 31. Renaissance, 32. invigoration, 33. relation, 34. spinning, 35. circumnavigate, 36. giant, 37. relation, 38. pole

39. the ma_____sm of the moon *n.* the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something
40. guarantee re_____le delivery *adj.* worthy of being relied on; trustworthy
41. mys_____us stranger *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
42. read a co_____s *n.* a navigational instrument for finding directions with a needle that can move easily and that always points to the north; the limit or range of capability
43. ma_____ic field *adj.* having the properties of attracting or repelling certain materials containing iron or steel
44. the in_____on of new techniques *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
45. 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
46. theoretical ph_____st *n.* a scientist who specializes in the field of physics
47. im_____e a process *v.* to make or become better
48. permanent ma____t *n.* an object or substance that can attract certain materials, such as iron or steel

ANSWERS: 39. magnetism, 40. reliable, 41. mysterious, 42. compass, 43. magnetic, 44. invention, 45. planet, 46. physicist, 47. improve, 48. magnet

49. bo___e across the floor *v.* to cause to move up or away after hitting a surface; to spring back
50. become ess_____ly same *adv.* relating to the essential features or concepts of anything
51. fun_____al deafness *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
52. em_____ed systems *adj.* fixed firmly into the surface of something
53. intended pr_____ly for young people *adv.* mainly
54. cir_____ate a difficult issue *v.* to travel completely around something, particularly the Earth, by sailing, flying, or other means of transportation; to fully explore or deal with a topic or situation
55. common in_____on *n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
56. mys_____us object *adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
57. pr_____ly affect adults *adv.* mainly
58. 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
59. a binocular te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects

ANSWERS: 49. bounce, 50. essentially, 51. functional, 52. embedded, 53. primarily, 54. circumnavigate, 55. invention, 56. mysterious, 57. primarily, 58. explore, 59. telescope

60. artistic ren_____ce *n.* a new growth in activity or enthusiasm in anything, particularly art, literature, or music
61. an Arctic exp_____on *n.* the activity of searching and finding out about something through a place
62. 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
63. wooden la__e *n.* a large, long-handled spoon used for serving liquids, particularly soups or stews
64. field of fun_____al medicine *adj.* designed for or capable of a particular activity, purpose, or task; practical or ready for use or service
65. look through a te_____pe *n.* a device like a tube in shape containing lenses used to magnify and observe distant objects
66. sa____r hat *n.* a person who works on a ship or other seafaring vessel, often responsible for operating the ship and performing various duties onboard
67. sup_____er leader *n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
68. mic_____pe slide *n.* an instrument used to see objects or substances that are too small to be seen with the naked eye

ANSWERS: 60. Renaissance, 61. exploration, 62. planet, 63. ladle, 64. functional, 65. telescope, 66. sailor, 67. superpower, 68. microscope

69. the event ho____n of a black hole *n.* the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated
70. go out of fa____n *n.* a style that is popular at a particular time or place; the state of being popular
71. la__e gravy *n.* a large, long-handled spoon used for serving liquids, particularly soups or stews
72. terrestrial gl__e *n.* the earth or world, mainly used to emphasize its vastness
73. animal ma____sm *n.* the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something
74. navy sa____r *n.* a person who works on a ship or other seafaring vessel, often responsible for operating the ship and performing various duties onboard
75. mo____n lava *adj.* in a liquid state as a result of being heated
76. in____te a new method *v.* to introduce new methods, ideas, or products
77. na____ly arising *adv.* as might be expected; by natural manners
78. a mo____n image *adj.* in a liquid state as a result of being heated

ANSWERS: 69. horizon, 70. fashion, 71. ladle, 72. globe, 73. magnetism, 74. sailor, 75. molten, 76. innovate, 77. naturally, 78. molten

ANSWERS:

Session 3: Fill in the Blanks

1. Companies developing self-driving cars consistently _____ the emerging technologies.
 - v. to introduce new methods, ideas, or products

2. The results were beyond our _____ of imagination.
 - n. a navigational instrument for finding directions with a needle that can move easily and that always points to the north; the limit or range of capability

3. Folk music is now experiencing a _____.
 - n. a new growth in activity or enthusiasm in anything, particularly art, literature, or music

4. This facility has the largest astronomical _____ in the country.
 - n. a device like a tube in shape containing lenses used to magnify and observe distant objects

5. 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

6. The _____ jets gradually dominate the world's airlines.
 - adj. enormous; much bigger or more important than similar items usually are

7. They will _____ between various emotional states.
 - v. to cause to move up or away after hitting a surface; to spring back

8. He called for a careful _____ of the consequences.
 - n. the activity of searching and finding out about something through a place

ANSWERS: 1. innovate, 2. compass, 3. renaissance, 4. telescope, 5. explore, 6. giant, 7. bounce, 8. exploration

9. The industrial _____ laws were passed with little to no alteration.
n. the way two persons or groups of people feel and act toward one another
10. The national assembly has _____ the budget.
v. to choose to follow something; to legally take a child from another family and care for them as if they were one's own
11. Yoga is known for its _____ of the mind and body.
n. the act of enlivening, energizing, or revitalizing something, particularly a person's body or mind; the feeling of being refreshed or rejuvenated after engaging in a stimulating activity
12. I used an optical _____ to observe the small organisms in the water sample.
n. an instrument used to see objects or substances that are too small to be seen with the naked eye
13. We want to _____ ties between our two countries.
v. to make or become better
14. After months of travel, the sailor finally managed to _____ the globe.
v. to travel completely around something, particularly the Earth, by sailing, flying, or other means of transportation; to fully explore or deal with a topic or situation
15. The child was drawn to the _____ of the colorful toy display in the store.
n. the force that causes attraction or repulsion between magnetic substances; a charismatic or attractive quality that attracts people or causes them to be drawn to someone or something
16. Trains are _____ inexpensive, and ideal for long-distance travel.
adj. worthy of being relied on; trustworthy

ANSWERS: 9. relations, 10. adopted, 11. invigoration, 12. microscope, 13. improve, 14. circumnavigate, 15. magnetism, 16. reliable,

17. The _____ band was performing at the parade.
- n.* a metal alloy of copper and zinc; a yellowish color; a group of wind instruments made of brass
18. The ability to fly like a bird is often considered a _____ in comic books and movies.
- n.* a country or nation that has significant global influence or formidable military, economic, or technological strength; a supernatural ability or force capable of extraordinary feats or feats beyond normal human capabilities
19. She used a _____ to pour soup into the bowls.
- n.* a large, long-handled spoon used for serving liquids, particularly soups or stews
20. The _____ force of the earth keeps our planet spinning.
- adj.* having the properties of attracting or repelling certain materials containing iron or steel
21. The experienced _____ calmly steered the ship through the rough waters.
- n.* a person who works on a ship or other seafaring vessel, often responsible for operating the ship and performing various duties onboard
22. The _____ disappearance of the ship remains unsolved.
- adj.* difficult to understand, explain, or identify; having an aura of secrecy, intrigue, or puzzlement
23. His final goal is to sail around the _____.
- n.* the earth or world, mainly used to emphasize its vastness
24. The acupuncturist inserted _____ into specific points on my body to alleviate my pain.
- n.* a thin, pointed object typically used for sewing or medical purposes; a metal or plastic instrument used for administering injections or drawing blood

ANSWERS: 17. brass, 18. superpower, 19. ladle, 20. magnetic, 21. sailor, 22. mysterious, 23. globe, 24. needles

25. Necessity is the mother of _____.
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
26. The _____ chip in my credit card allows me to make contactless payments.
- adj.* fixed firmly into the surface of something
27. The North _____ is the northernmost point on Earth.
- n.* one of two antipodal points where the Earth's axis of rotation intersects the Earth's surface; a long, slender, rounded rod, typically of wood or metal, used as a support or to hang something
28. All peaceful cooperation is based _____ on mutual trust.
- adv.* mainly
29. That style is no longer in _____.
- n.* a style that is popular at a particular time or place; the state of being popular
30. She took a _____ class at the gym to improve her cardiovascular fitness.
- n.* the act of rotating rapidly around an axis; in the context of textiles, the process of twisting fibers together to form thread or yarn
31. He was _____ gifted.
- adv.* as might be expected; by natural manners
32. The MRI machine uses _____ to produce images of the body's internal organs.
- n.* an object or substance that can attract certain materials, such as iron or steel

ANSWERS: 25. invention, 26. embedded, 27. Pole, 28. primarily, 29. fashion, 30. spinning, 31. naturally, 32. magnets

33. The _____ metal was poured into the mold.

adj. in a liquid state as a result of being heated

34. The mobile phone was still _____ even after being dropped.

adj. designed for or capable of a particular activity, purpose, or task; practical or ready for use or service

35. _____ a society is an organism.

adv. relating to the essential features or concepts of anything

36. 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

37. The breakup of the famous band _____ their fans, leading to disappointment and sadness.

v. to stir up or agitate a liquid or substance, causing it to become turbid or muddy; to disturb or unsettle the emotions or mental state of a person or group

38. As the sun set, the colors of the sky merged with the _____ creating a beautiful orange and pink hue.

n. the line at which the earth's surface and the sky appear to meet; the range of interest or activity that can be anticipated

39. Einstein was an outstanding and famous _____ of the 20th century.

n. a scientist who specializes in the field of physics

ANSWERS: 33. molten, 34. functional, 35. Essentially, 36. planet, 37. roiled, 38. horizon, 39. physicist