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Vocabulary Builder Reference from...

Brian Jones: What on Earth is spin? | TED Talk

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

All Words

IMPORTANT

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Session 1: Word List

hurricane

n. a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)

synonym: cyclone, typhoon, storm

(1) a **hurricane** of applause, (2) the ravages of a **hurricane**
The devastating **hurricane** caused widespread damage and left many people homeless.

batter

v. to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting

synonym: beat, pound, strike

(1) **batter** the eggs, (2) the **batter's** box
He got so angry that he **battered** the door down.

amazing

adj. extremely surprising, especially in a way that you like or admire

synonym: exceptional, extraordinary, wonderful

(1) **amazing** advances, (2) the most **amazing** feeling
The golfer recorded an **amazing** distance.

spin

v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

synonym: rotate, twirl, swirl

(1) **spin** a top, (2) **spin** thread out of cotton

The tornado is **spinning** across the countryside, destroying everything in its path.

physics

n. the science of matter and energy and their interactions
(1) nuclear **physics**, (2) laws of **physics**
He studied the **physics** of radiation.

straight

adj. extending or moving in one direction without bending or curving; having no deviations
synonym: linear, honest, consecutive
(1) a **straight** line, (2) **straight** for two months
He was sick for five **straight** days.

involve

v. to include or affect someone or something as a necessary part of something else
synonym: implicate, include, engage
(1) **involve** a lot of paperwork, (2) **involve** a high degree of risk
The investigation **involves** several government agencies and is expected to take several months.

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**.

axis

n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
synonym: central, core, pole
(1) vertical **axis**, (2) a coordinate **axis**
The earth's **axis** of rotation is tilted 66.5 degrees to the ecliptic plane.

friction

n. the force that opposes motion between two objects in contact, especially by producing heat and wear, and is

proportional to the normal force between the objects

synonym : rub, scrape, resistance

(1) **friction** force, (2) surface **friction**

The **friction** between the two countries was causing tension.

beneath

adv. in or to a lower place than someone or something

synonym : down, under, low

(1) the ground **beneath** my feet, (2) **beneath** contempt

A great stretch of the lake lay **beneath** them.

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.

skate

n. a type of footwear that has a blade attached to its sole for skating on ice or other hard surfaces; an activity or sport that involves gliding on skates on ice or other hard surfaces

synonym : blade, runner, sled

(1) **skate** park, (2) roller **skate**

She has been practicing an ice **skate** routine for months

glide

v. to move smoothly and effortlessly

synonym : slide, skim, coast

(1) **glide** through the water, (2) **glide** down the mountain

The eagle gracefully **glided** on the thermals, soaring above the mountains.

conservation

n. the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

synonym : preservation, protection, saving

(1) soil **conservation**, (2) the **conservation** law of physics
The forest was recently designated a **conservation** area.

angular

adj. measured by an angle or by the rate of change of an angle; having angles or an angular shape

synonym : jagged, angulate

(1) **angular** mountain ridge, (2) **angular** momentum

Any rotating body has **angular** momentum about its center of mass.

mathematics

n. the science dealing with the logic of quantities, shapes, spaces, and arrangement

synonym : arithmetic, calculation, calculus

(1) a good grounding in **mathematics**, (2) **mathematics** competition

He has a flair for **mathematics**.

distance

n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance

synonym : space, gap, span

(1) driving **distance**, (2) social **distance**

The marathon runner covered a long **distance** in a short amount of time.

mass

n. a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

synonym : abundance, crowd, mob

(1) a **mass** of molten rock, (2) critical **mass**

The **mass** of people who do not own property is politically impotent.

merry

adj. cheerful and lively, often with a sense of joyfulness or celebration; characterized by a happy or festive mood

synonym : jolly, happy, cheerful

(1) **merry-making**, (2) **merry** laughter

We had a **merry** time at the Christmas party, singing carols and drinking eggnog.

toss

v. to throw something carelessly with a light motion

synonym: throw, sway

(1) **toss** a coin, (2) **toss** the bottle into a trash can

It would be best if you **tossed** out all those old magazines.

curve

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

synonym: bend, arc, turn

(1) learning **curve**, (2) yield **curve**

The **curve** in the road was so sharp that I had to slow down to navigate it safely.

Coriolis

n. a force seemingly exerted on a mass moving in a rotating system, such as the Earth's rotation, causing it to veer to one side; (of meteorology) the apparent deflection of air caused by the Earth's rotation

synonym: centrifugal force, angular momentum

(1) **Coriolis** acceleration, (2) **Coriolis** force

The rotation of the Earth causes the **Coriolis** effect, influencing weather patterns.

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.

collapse

v. to fall down or give way suddenly, often after breaking apart

synonym: tumble, spill, bankruptcy

(1) the stock market **collapsed**, (2) ready to **collapse**

The roof finally **collapsed** after three days and three nights of heavy snowfall.

gravity

n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn

synonym : heaviness, attraction, weight

(1) the attraction of **gravity**, (2) preserve my **gravity**

The astronaut felt weightless in space due to the absence of **gravity**.

gentle

adj. having or showing a kindly or tender nature; soft and mild

synonym : mild, delicate, soft

(1) in a **gentle** voice, (2) **gentle** downward slope

Her **gentle** manner relaxed everyone there.

inherit

v. to receive money, property, or a title from someone after they have died

synonym : obtain, gain, acquire

(1) **inherit** estate, (2) **inherit** ancestral property

After his death, his sons **inherited** his business.

equator

n. an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

(1) south of the **equator**, (2) above the **equator**

Ecuador is on the **equator**.

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.

temperature

n. the degree of hotness or coldness of a thing or place
synonym : climate, warmth, degree

(1) extreme **temperatures**, (2) the atmospheric **temperature**

Cities around the world set records for highest **temperatures** this summer.

hemisphere

n. half of the terrestrial globe; half of a sphere

(1) northern **hemisphere**, (2) cerebral **hemisphere**

This weather pattern is unique to the southern **hemisphere**.

atmosphere

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

synonym : air, ambiance, circumstances

(1) carbon dioxide in the **atmosphere**, (2) a convivial **atmosphere**

The spaceship began to burn up as it approached the Earth's **atmosphere**.

drain

v. to empty or dry something by removing the liquid from it
synonym : draw off, bleed

(1) **drain** water from the swamp, (2) **drain** excess liquid

Push the button and let the water **drain** away.

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.

tight

adj. fixed, fastened, or kept together firmly or closely

synonym : closed, secured, cramped

(1) a **tight** game, (2) student on a **tight** budget

The national election was held amid **tight** security.

ultimate

adj. furthest or highest in degree or order

synonym : highest, maximum, foremost

(1) the **ultimate** goal in life, (2) the **ultimate** luxury

Management must take **ultimate** responsibility for the accident.

remnant

n. a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something

synonym : remainder, leftover, residue

(1) **remnant** of the past, (2) **remnants** of fabric

The only **remnant** left of the ancient civilization was the crumbling ruins of their temples.

fossil

n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock

synonym : relic, remnant, antediluvian

(1) burning of **fossil** fuels, (2) a **fossil** leaf

It was the **fossil** of a dinosaur tooth.

relic

n. an object from a previous era, especially one of historical value

synonym : whiff, vestige, antique

(1) historical **relic**, (2) holy **relics**

This bronze sword is a **relic** of ancient times.

dirt

n. soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock

synonym : filth, grime, muck

(1) **dirt** road, (2) **dirt** track

The garden was filled with **dirt** and needed to be tilled before planting.

Session 2: Spelling

- | | |
|-----------------------------------|--|
| 1. in____t estate | <i>v.</i> to receive money, property, or a title from someone after they have died |
| 2. above the eq____r | <i>n.</i> an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles) |
| 3. a coordinate a__s | <i>n.</i> a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance |
| 4. ge____e downward slope | <i>adj.</i> having or showing a kindly or tender nature; soft and mild |
| 5. fr____on force | <i>n.</i> the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects |
| 6. roller sk__e | <i>n.</i> a type of footwear that has a blade attached to its sole for skating on ice or other hard surfaces; an activity or sport that involves gliding on skates on ice or other hard surfaces |
| 7. a good grounding in mat_____cs | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement |
| 8. pl____t like the Earth | <i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star |

ANSWERS: 1. inherit, 2. equator, 3. axis, 4. gentle, 5. friction, 6. skate, 7. mathematics, 8. planet

9. a ti__t game *adj.* fixed, fastened, or kept together firmly or closely
10. an____r mountain ridge *adj.* measured by an angle or by the rate of change of an angle; having angles or an angular shape
11. a dr____ic rescue at sea *adj.* very sudden, very excellent, or full of action and excitement
12. an____r momentum *adj.* measured by an angle or by the rate of change of an angle; having angles or an angular shape
13. in____e a high degree of risk *v.* to include or affect someone or something as a necessary part of something else
14. 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
15. in____e a lot of paperwork *v.* to include or affect someone or something as a necessary part of something else
16. extreme tem____res *n.* the degree of hotness or coldness of a thing or place
17. driving di____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
18. sk__e park *n.* a type of footwear that has a blade attached to its sole for skating on ice or other hard surfaces; an activity or sport that involves gliding on skates on ice or other hard surfaces

ANSWERS: 9. tight, 10. angular, 11. dramatic, 12. angular, 13. involve, 14. pole, 15. involve, 16. temperature, 17. distance, 18. skate

19. learning cu__e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
20. be____h contempt *adv.* in or to a lower place than someone or something
21. dr__n water from the swamp *v.* to empty or dry something by removing the liquid from it
22. 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
23. the atmospheric tem____re *n.* the degree of hotness or coldness of a thing or place
24. south of the eq____r *n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)
25. r_t with age *v.* to decay, or cause something to decay, naturally and gradually
26. preserve my gr____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
27. in____t ancestral property *v.* to receive money, property, or a title from someone after they have died
28. critical m__s *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

ANSWERS: 19. curve, 20. beneath, 21. drain, 22. spinning, 23. temperature, 24. equator, 25. rot, 26. gravity, 27. inherit, 28. mass

29. 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
30. gl__e through the water *v.* to move smoothly and effortlessly
31. laws of ph_____s *n.* the science of matter and energy and their interactions
32. northern hem_____re *n.* half of the terrestrial globe; half of a sphere
33. t__s the bottle into a trash can *v.* to throw something carelessly with a light motion
34. the attraction of gr_____y *n.* the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
35. re_____t of the past *n.* a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something
36. nuclear ph_____s *n.* the science of matter and energy and their interactions
37. a hu_____ne of applause *n.* a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)
38. in a ge___e voice *adj.* having or showing a kindly or tender nature; soft and mild
39. the con_____ion law of physics *n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

ANSWERS: 29. spinning, 30. glide, 31. physics, 32. hemisphere, 33. toss, 34. gravity, 35. remnant, 36. physics, 37. hurricane, 38. gentle, 39. conservation

40. a fo___l leaf *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
41. d__t track *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
42. re_____ts of fabric *n.* a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something
43. yield cu___e *n.* a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape
44. 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
45. the most am_____g feeling *adj.* extremely surprising, especially in a way that you like or admire
46. social di_____ce *n.* the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
47. 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

ANSWERS: 40. fossil, 41. dirt, 42. remnant, 43. curve, 44. planet, 45. amazing, 46. distance, 47. pole

48. am____g advances *adj.* extremely surprising, especially in a way that you like or admire
49. st____ht for two months *adj.* extending or moving in one direction without bending or curving; having no deviations
50. dr__n excess liquid *v.* to empty or dry something by removing the liquid from it
51. the ba____r's box *v.* to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting
52. ready to co____se *v.* to fall down or give way suddenly, often after breaking apart
53. s__n thread out of cotton *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
54. me__y laughter *adj.* cheerful and lively, often with a sense of joyfulness or celebration; characterized by a happy or festive mood
55. student on a ti__t budget *adj.* fixed, fastened, or kept together firmly or closely
56. carbon dioxide in the atm____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
57. a m__s of molten rock *n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together
58. the ground be____h my feet *adv.* in or to a lower place than someone or something

ANSWERS: 48. amazing, 49. straight, 50. drain, 51. batter, 52. collapse, 53. spin, 54. merry, 55. tight, 56. atmosphere, 57. mass, 58. beneath

59. holy re__cs *n.* an object from a previous era, especially one of historical value
60. cerebral hem_____re *n.* half of the terrestrial globe; half of a sphere
61. the stock market co_____sed *v.* to fall down or give way suddenly, often after breaking apart
62. t__s a coin *v.* to throw something carelessly with a light motion
63. historical re__c *n.* an object from a previous era, especially one of historical value
64. d__t road *n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock
65. me__y-making *adj.* cheerful and lively, often with a sense of joyfulness or celebration; characterized by a happy or festive mood
66. begin to r_t *v.* to decay, or cause something to decay, naturally and gradually
67. a convivial atm_____re *n.* the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work
68. Co_____is force *n.* a force seemingly exerted on a mass moving in a rotating system, such as the Earth's rotation, causing it to veer to one side; (of meteorology) the apparent deflection of air caused by the Earth's rotation
69. ba___r the eggs *v.* to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting

ANSWERS: 59. relic, 60. hemisphere, 61. collapse, 62. toss, 63. relic, 64. dirt, 65. merry, 66. rot, 67. atmosphere, 68. Coriolis, 69. batter

70. s__n a top *v.* to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented
71. surface fr_____on *n.* the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects
72. burning of fo___l fuels *n.* any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
73. mat_____cs competition *n.* the science dealing with the logic of quantities, shapes, spaces, and arrangement
74. vertical a__s *n.* a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance
75. gl__e down the mountain *v.* to move smoothly and effortlessly
76. Co_____is acceleration *n.* a force seemingly exerted on a mass moving in a rotating system, such as the Earth's rotation, causing it to veer to one side; (of meteorology) the apparent deflection of air caused by the Earth's rotation
77. make dr_____ic changes *adj.* very sudden, very excellent, or full of action and excitement
78. the ul_____te luxury *adj.* furthest or highest in degree or order
79. the ul_____te goal in life *adj.* furthest or highest in degree or order

ANSWERS: 70. spin, 71. friction, 72. fossil, 73. mathematics, 74. axis, 75. glide, 76. Coriolis, 77. dramatic, 78. ultimate, 79. ultimate

80. the ravages of a hu_____ne *n.* a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)
81. a st_____ht line *adj.* extending or moving in one direction without bending or curving; having no deviations
82. soil con_____ion *n.* the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity

ANSWERS: 80. hurricane, 81. straight, 82. conservation

Session 3: Fill in the Blanks

1. This bronze sword is a _____ of ancient times.
n. an object from a previous era, especially one of historical value
2. The rotation of the Earth causes the _____ effect, influencing weather patterns.
n. a force seemingly exerted on a mass moving in a rotating system, such as the Earth's rotation, causing it to veer to one side; (of meteorology) the apparent deflection of air caused by the Earth's rotation
3. It was the _____ of a dinosaur tooth.
n. any preserved remains, impression, or trace of any once-living thing that has become hard and turned into rock
4. He has a flair for _____.
n. the science dealing with the logic of quantities, shapes, spaces, and arrangement
5. The golfer recorded an _____ distance.
adj. extremely surprising, especially in a way that you like or admire
6. Management must take _____ responsibility for the accident.
adj. furthest or highest in degree or order
7. After his death, his sons _____ his business.
v. to receive money, property, or a title from someone after they have died
8. The investigation _____ several government agencies and is expected to take several months.
v. to include or affect someone or something as a necessary part of something else

ANSWERS: 1. relic, 2. Coriolis, 3. fossil, 4. mathematics, 5. amazing, 6. ultimate, 7. inherited, 8. involves

9. Her _____ manner relaxed everyone there.

adj. having or showing a kindly or tender nature; soft and mild

10. The _____ in the road was so sharp that I had to slow down to navigate it safely.

n. a bend or angle in a line or surface that deviates from a straight or flat path; a gradual or smooth change in direction or shape

11. It would be best if you _____ out all those old magazines.

v. to throw something carelessly with a light motion

12. 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

13. The _____ between the two countries was causing tension.

n. the force that opposes motion between two objects in contact, especially by producing heat and wear, and is proportional to the normal force between the objects

14. He was sick for five _____ days.

adj. extending or moving in one direction without bending or curving; having no deviations

15. The statement had a _____ impact on house prices.

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

16. This weather pattern is unique to the southern _____.

n. half of the terrestrial globe; half of a sphere

ANSWERS: 9. gentle, 10. curve, 11. tossed, 12. spinning, 13. friction, 14. straight, 15. dramatic, 16. hemisphere

17. She has been practicing an ice _____ routine for months

- n.* a type of footwear that has a blade attached to its sole for skating on ice or other hard surfaces; an activity or sport that involves gliding on skates on ice or other hard surfaces

18. The roof finally _____ after three days and three nights of heavy snowfall.

- v.* to fall down or give way suddenly, often after breaking apart

19. The national election was held amid _____ security.

- adj.* fixed, fastened, or kept together firmly or closely

20. The _____ of people who do not own property is politically impotent.

- n.* a large amount of a substance with no definite shape or form; a large number of people or things grouped or crowded together

21. Ecuador is on the _____.

- n.* an line of latitude that separates Earth's northern and southern hemispheres and has a radius of around 40,075 kilometers (24,901 miles)

22. 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

23. The eagle gracefully _____ on the thermals, soaring above the mountains.

- v.* to move smoothly and effortlessly

24. The garden was filled with _____ and needed to be tilled before planting.

- n.* soil, dust, or any substance that makes a surface not clean; the part of the earth's surface consisting of humus and disintegrated rock

ANSWERS: 17. skate, 18. collapsed, 19. tight, 20. mass, 21. equator, 22. Pole, 23. glided, 24. dirt

25. He studied the _____ of radiation.

n. the science of matter and energy and their interactions

26. 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

27. The only _____ left of the ancient civilization was the crumbling ruins of their temples.

n. a small remaining quantity of something, considered separately from what has been lost or destroyed; a surviving piece or fragment of something

28. The earth's _____ of rotation is tilted 66.5 degrees to the ecliptic plane.

n. a real or imaginary straight line through a body or figure around which the object turns; a group of countries in special alliance

29. The spaceship began to burn up as it approached the Earth's _____.

n. the mass of air that surrounds the Earth; the pervading tone or mood of a place, situation, or creative work

30. The devastating _____ caused widespread damage and left many people homeless.

n. a violent, tropical, cyclonic storm of the western North Atlantic, having wind speeds of or over 64 knots (74 miles per hour)

31. Cities around the world set records for highest _____ this summer.

n. the degree of hotness or coldness of a thing or place

32. We had a _____ time at the Christmas party, singing carols and drinking eggnog.

adj. cheerful and lively, often with a sense of joyfulness or celebration; characterized by a happy or festive mood

ANSWERS: 25. physics, 26. planet, 27. remnant, 28. axis, 29. atmosphere, 30. hurricane, 31. temperatures, 32. merry

33. Any rotating body has _____ momentum about its center of mass.
adj. measured by an angle or by the rate of change of an angle; having angles or an angular shape
34. He got so angry that he _____ the door down.
v. to hit something or someone repeatedly with much force; (noun, baseball) a ballplayer who is batting
35. Please refrigerate the meat, or it will _____.
v. to decay, or cause something to decay, naturally and gradually
36. The marathon runner covered a long _____ in a short amount of time.
n. the amount of space between two points, measured in units such as miles, meters, or kilometers; the extent, scope, or range between two things, such as distance or emotional distance
37. Push the button and let the water _____ away.
v. to empty or dry something by removing the liquid from it
38. The astronaut felt weightless in space due to the absence of _____.
n. the force that attracts a body towards the center of the earth or towards any other physical body having mass; a manner that is solemn
39. The forest was recently designated a _____ area.
n. the protection of something important, such as the natural environment or artificial structures, especially from the damaging effects of human activity
40. The tornado is _____ across the countryside, destroying everything in its path.
v. to cause something to rotate rapidly; to cause someone to feel dizzy or disoriented

ANSWERS: 33. angular, 34. battered, 35. rot, 36. distance, 37. drain, 38. gravity, 39. conservation, 40. spinning

41. A great stretch of the lake lay _____ them.

adv. in or to a lower place than someone or something

ANSWERS: 41. beneath