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All Words

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Session 1: Word List

modern

adj. of or belonging to the present time or recent times

synonym: contemporary, stylish, current

(1) **modern** poetry, (2) pre- **modern** agricultural society
Their headquarters are in a **modern** skyscraper.

physics

n. the science of matter and energy and their interactions

(1) nuclear **physics**, (2) laws of **physics**

He studied the **physics** of radiation.

astronomy

n. the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

synonym: astrophysics, stargazing, cosmology

(1) **astronomy** science, (2) a branch of **astronomy**

He had a deep passion for extragalactic **astronomy** and spent hours observing the night sky.

accomplishment

n. the successful completion of a task or goal; an ability that has been acquired by training

synonym: success, achievement, complete

(1) proud of his **accomplishments**, (2) the **accomplishment** of a social goal

Graduating from college was a major **accomplishment** for her.

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**.

compound

n. an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements

synonym: combination, mixture, blend

(1) aquatic **compound**, (2) harmful **compound**
Common salt is a sodium and chlorine **compound**.

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.

discovery

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important **discovery**.

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.

pendulum

n. a weight hung from a fixed point used to regulate the movement of a clock or other mechanism

synonym: oscillator, balance, clock

(1) **pendulum** swings, (2) political **pendulum**

The **pendulum** clock was a familiar sight in the old house.

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.

experiment

n. the scientific test conducted to observe what happens and gain new knowledge

synonym: experimentation, investigation

(1) **experiment** design, (2) series of **experiments**

His **experiments** showed highly positive results.

groundwork

n. the basic or preparatory work or steps that provide a foundation for something

synonym: foundation, base, cornerstone

(1) **groundwork** foundation, (2) **groundwork** study

They laid the **groundwork** for the new project by conducting thorough research.

concept

n. an idea or principle associated with something abstract

synonym: idea, notion, vision

(1) learn new **concepts**, (2) **concept** car

One such rapidly growing **concept** is quantum cryptography.

inertia

n. the quality or state of being inactive, sluggish, or slow to move or act

synonym: sluggishness, lethargy, idleness

(1) **inertia** resistance, (2) Newton's law of **inertia**

The object's **inertia** kept it moving in a straight line until acted upon by an outside force.

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.

Newtonian

adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation

synonym: classical, physics, mechanics

(1) **Newtonian** physics, (2) **Newtonian** mechanics

The motion of planets can be described using **Newtonian** mechanics.

Catholic

adj. universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader

(1) **catholic** in his tastes, (2) the **Catholic** Church

Sociologists are now interested in **catholic** world peace.

rebellion

n. an act of violent or open resistance to an established government or ruler

synonym: insurrection, uprising, revolt

(1) **rebellion** leader, (2) excite **rebellion**

The antigovernment **rebellion** was put down quickly by the government's military forces.

origin

n. the first existence or beginning of something

synonym: root, source, ancestor

(1) **origin** of information, (2) racial **origin**

There are various hypotheses concerning the **origin** of life.

polish

n. a substance used to smooth or shine a surface; the act of smoothing or shining a surface

synonym: shine, buff, gloss

(1) **polish** finishing, (2) surface **polish**

I used a special **polish** to make my car's paint shine.

astronomer

n. a physicist who studies astronomy

synonym: stargazer, cosmologist, astrophysicist

(1) amateur **astronomer**, (2) solar **astronomer**

This question has fascinated solar **astronomers** for decades.

interpretation

n. an explanation or opinion of something, especially that is not immediately obvious

synonym: rendering, explanation, understanding

(1) the **interpretation** of history, (2) open to **interpretation**

His **interpretations** of literary works are often unique.

bible

n. the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field

synonym: authoritative book, holy book, doctrine

(1) a passage from the **Bible**, (2) believe **Bible** prophecy

Students have loved this textbook for many years as a biology **bible**.

condone

v. to overlook, forgive, or show approval for an action or behavior that is wrong or disapproved of

synonym: excuse, overlook, tolerate

(1) **condone** the behavior, (2) **condone** the action

The parents refused to **condone** their daughter's behavior, which they considered unacceptable.

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.

revolve

v. to rotate around a central point

synonym: rotate, spin, orbit

(1) **revolve** at high speed, (2) **revolve** around a central axis
The Earth **revolves** around the Sun in an elliptical orbit.

treatise

n. a written work that deals with a particular subject in a thorough and systematic way

synonym : essay, dissertation, thesis

(1) collective **treatise**, (2) the subject of a **treatise**

He wrote a **treatise** on the history of philosophy, covering the ideas and theories of major philosophers.

dialogue

n. a conversation in a book, play, or film

synonym : conversation, discussion, talk

(1) Platonic **dialogues**, (2) the form of a **dialogue**

He recorded the **dialogue** at the time of the incident.

chief

adj. most important or primary; (noun) a person who is in charge

synonym : essential, primary, leading

(1) **chief** accountant, (2) **chief** events of the year

Mining is a **chief** source of income for the country.

observation

n. the act or activity of carefully examining or monitoring something or someone

synonym : watching, notice, reflection

(1) class **observation** day, (2) **observation** instrument

In the hospital, she will remain under constant **observation**.

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.

inquisition

n. a judicial or official inquiry, especially one aimed at suppressing dissent or heresy

synonym :

investigation, examination, probe

(1) propose an **inquisition**, (2) submit him to an **inquisition**
The **inquisition** was a period of religious persecution in Europe.

ban

v. to officially or legally forbid or refuse to allow something
synonym: forbid, prohibit, restrict

(1) **ban** gender-related job discrimination, (2) **ban** any type of cloning

We should **ban** mildly violent video games from a child's development perspective.

guilty

adj. feeling responsible for or having done something wrong or criminal

synonym: culpable, blameworthy, at fault

(1) feel a bit **guilty**, (2) **guilty** verdict

After much contemplation, the suspect decided to plead **guilty** to the theft charge.

defy

v. to challenge or dare someone to do something; to resist or disobey a rule, decision, etc.

synonym: challenge, resist, disobey

(1) **defy** gravity, (2) **defy** authority

She tried to **defy** her parents by moving to the city against their wishes.

doctrine

n. a belief or set of ideas held and taught by a church, political party, or other groups

synonym: creed, principle, tenet

(1) religious **doctrine**, (2) **doctrine** of non-violence

The church **doctrine** teaches that all are equal in the eyes of God.

commute

v. to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work

synonym : travel, journey, trip

(1) **commute** to work, (2) daily **commute**

He had to **commute** two hours each way to get to work.

arrest

v. to take into custody

synonym : capture, detain, imprison

(1) **arrest** the thief, (2) **arrest** the progress

A police officer has the authority to **arrest** a criminal.

papal

adj. relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church

synonym : pontifical, papistic, apostolical

(1) **papal** authority, (2) **papal** visit

The **papal** palace was a grand and imposing structure.

commission

n. a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something

synonym : task, duty, authority

(1) **commission** appointed by the government, (2) the **commission** of murder

She gets a **commission** on each contract.

bravery

n. courage in the face of danger

synonym : courage, valor, heroism

(1) **bravery** against the enemy, (2) **bravery** under fire

His **bravery** in the face of danger saved the lives of his comrades.

apologize

v. to express regret for committing wrongdoing or causing a problem

synonym : excuse, justify, atone

(1) **apologize** for being late, (2) **apologize** ahead of time

I **apologize** for neglecting your email.

discotheque

n. a nightclub or restaurant where recorded music is played, and people dance

synonym: nightclub, dance club, disco

(1) **discotheque** party, (2) **discotheque** scene

He couldn't wait to hit the **discotheque** and dance the night away.

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**.

valley

n. a long depression on the surface of the land, which typically contains a river

synonym: canyon, gorge, dale

(1) **valley** bottom, (2) basin-shaped **valley**

The **valley** had received a mild snowfall the previous week.

wedlock

n. the state of being married; matrimony

synonym: marriage, union, matrimony

(1) born in **wedlock**, (2) faithful in **wedlock**

The couple had been happily married for years and cherished the sanctity of their union in **wedlock**.

nun

n. a woman who has taken religious vows and is a member of a monastic community

synonym: sister, religious, monastic

(1) **nun** habit, (2) meditating **nun**

The cloistered **nun** devoted her life to serving the poor and marginalized.

Session 2: Spelling

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|-----------------------------------|---|
| 1. mat_____cs competition | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement |
| 2. ch__f events of the year | <i>adj.</i> most important or primary; (noun) a person who is in charge |
| 3. a good grounding in mat_____cs | <i>n.</i> the science dealing with the logic of quantities, shapes, spaces, and arrangement |
| 4. re_____e at high speed | <i>v.</i> to rotate around a central point |
| 5. de___d against a threat | <i>v.</i> to protect someone or something from attack, criticism, danger, etc. |
| 6. collective tr_____se | <i>n.</i> a written work that deals with a particular subject in a thorough and systematic way |
| 7. br_____y against the enemy | <i>n.</i> courage in the face of danger |
| 8. electron mic_____pe | <i>n.</i> an instrument used to see objects or substances that are too small to be seen with the naked eye |
| 9. 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 |
| 10. faithful in we_____k | <i>n.</i> the state of being married; matrimony |
| 11. a scientific di_____ry | <i>n.</i> the act or process of finding information, a place, or an object, or learning about something that was previously not known |

ANSWERS: 1. mathematics, 2. chief, 3. mathematics, 4. revolve, 5. defend, 6. treatise, 7. bravery, 8. microscope, 9. planet, 10. wedlock, 11. discovery

12. the Ca____ic Church	<i>adj.</i> universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader
13. save the pl____t	<i>n.</i> any of the nine large celestial bodies that circle in the solar system; any celestial body that revolves around a star
14. class obs____on day	<i>n.</i> the act or activity of carefully examining or monitoring something or someone
15. the in____on of new techniques	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
16. born in we____k	<i>n.</i> the state of being married; matrimony
17. submit him to an inq____on	<i>n.</i> a judicial or official inquiry, especially one aimed at suppressing dissent or heresy
18. Ne____an physics	<i>adj.</i> relating to Sir Isaac Newton or his laws of motion and universal gravitation
19. racial or____n	<i>n.</i> the first existence or beginning of something
20. common in____on	<i>n.</i> the creation of a new device or process resulting from study and experimentation; the act of inventing
21. solar ast____er	<i>n.</i> a physicist who studies astronomy
22. nuclear ph____s	<i>n.</i> the science of matter and energy and their interactions
23. proud of his acc____ents	<i>n.</i> the successful completion of a task or goal; an ability that has been acquired by training

ANSWERS: 12. Catholic, 13. planet, 14. observation, 15. invention, 16. wedlock, 17. inquisition, 18. Newtonian, 19. origin, 20. invention, 21. astronomer, 22. physics, 23. accomplishment

24. the int_____ion of history	<i>n.</i> an explanation or opinion of something, especially that is not immediately obvious
25. meditating n_n	<i>n.</i> a woman who has taken religious vows and is a member of a monastic community
26. in_____e a feeling of curiosity	<i>v.</i> to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
27. excite re_____on	<i>n.</i> an act of violent or open resistance to an established government or ruler
28. d__y gravity	<i>v.</i> to challenge or dare someone to do something; to resist or disobey a rule, decision, etc.
29. gro_____rk study	<i>n.</i> the basic or preparatory work or steps that provide a foundation for something
30. surface po____h	<i>n.</i> a substance used to smooth or shine a surface; the act of smoothing or shining a surface
31. propose an inq_____on	<i>n.</i> a judicial or official inquiry, especially one aimed at suppressing dissent or heresy
32. Newton's law of in_____a	<i>n.</i> the quality or state of being inactive, sluggish, or slow to move or act
33. co_____e the action	<i>v.</i> to overlook, forgive, or show approval for an action or behavior that is wrong or disapproved of
34. br_____y under fire	<i>n.</i> courage in the face of danger

ANSWERS: 24. interpretation, 25. nun, 26. inspire, 27. rebellion, 28. defy, 29. groundwork, 30. polish, 31. inquisition, 32. inertia, 33. condone, 34. bravery

35. b_n any type of cloning	<i>v.</i> to officially or legally forbid or refuse to allow something
36. ap_____ze ahead of time	<i>v.</i> to express regret for committing wrongdoing or causing a problem
37. in_____e him to write a novel	<i>v.</i> to make somebody fill with the desire, confidence, or enthusiasm, especially to do something creative
38. ar____t the thief	<i>v.</i> to take into custody
39. co_____t car	<i>n.</i> an idea or principle associated with something abstract
40. Jo____n planet	<i>adj.</i> relating to Jupiter or its characteristics
41. pe_____um swings	<i>n.</i> a weight hung from a fixed point used to regulate the movement of a clock or other mechanism
42. exp_____nt design	<i>n.</i> the scientific test conducted to observe what happens and gain new knowledge
43. in_____a resistance	<i>n.</i> the quality or state of being inactive, sluggish, or slow to move or act
44. gu____y verdict	<i>adj.</i> feeling responsible for or having done something wrong or criminal
45. pre-mo____n agricultural society	<i>adj.</i> of or belonging to the present time or recent times
46. co_____e the behavior	<i>v.</i> to overlook, forgive, or show approval for an action or behavior that is wrong or disapproved of
47. Platonic di_____ues	<i>n.</i> a conversation in a book, play, or film
48. laws of ph_____s	<i>n.</i> the science of matter and energy and their interactions

ANSWERS: 35. ban, 36. apologize, 37. inspire, 38. arrest, 39. concept, 40. Jovian, 41. pendulum, 42. experiment, 43. inertia, 44. guilty, 45. modern, 46. condone, 47. dialogue, 48. physics

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| 49. com_____on appointed by the government | <i>n.</i> a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something |
| 50. mo____n poetry | <i>adj.</i> of or belonging to the present time or recent times |
| 51. basin-shaped va____y | <i>n.</i> a long depression on the surface of the land, which typically contains a river |
| 52. pa__l authority | <i>adj.</i> relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church |
| 53. re_____e around a central axis | <i>v.</i> to rotate around a central point |
| 54. a passage from the Bi__e | <i>n.</i> the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field |
| 55. Ne_____an mechanics | <i>adj.</i> relating to Sir Isaac Newton or his laws of motion and universal gravitation |
| 56. amateur ast_____er | <i>n.</i> a physicist who studies astronomy |
| 57. believe Bi__e prophecy | <i>n.</i> the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field |
| 58. do_____ne of non-violence | <i>n.</i> a belief or set of ideas held and taught by a church, political party, or other groups |
| 59. re_____on leader | <i>n.</i> an act of violent or open resistance to an established government or ruler |

ANSWERS: 49. commission, 50. modern, 51. valley, 52. papal, 53. revolve, 54. bible, 55. Newtonian, 56. astronomer, 57. bible, 58. doctrine, 59. rebellion

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|---------------------------|---|
| 60. political pe_____um | <i>n.</i> a weight hung from a fixed point used to regulate the movement of a clock or other mechanism |
| 61. co_____e to work | <i>v.</i> to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work |
| 62. mic_____pe slide | <i>n.</i> an instrument used to see objects or substances that are too small to be seen with the naked eye |
| 63. d__y authority | <i>v.</i> to challenge or dare someone to do something; to resist or disobey a rule, decision, etc. |
| 64. feel a bit gu____y | <i>adj.</i> feeling responsible for or having done something wrong or criminal |
| 65. series of exp_____nts | <i>n.</i> the scientific test conducted to observe what happens and gain new knowledge |
| 66. religious do_____ne | <i>n.</i> a belief or set of ideas held and taught by a church, political party, or other groups |
| 67. n_n habit | <i>n.</i> a woman who has taken religious vows and is a member of a monastic community |
| 68. aquatic co_____nd | <i>n.</i> an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements |
| 69. daily co_____e | <i>v.</i> to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work |

ANSWERS: 60. pendulum, 61. commute, 62. microscope, 63. defy, 64. guilty, 65. experiment, 66. doctrine, 67. nun, 68. compound, 69. commute

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| 70. the great di_____ry of the century | <i>n.</i> the act or process of finding information, a place, or an object, or learning about something that was previously not known |
| 71. dis_____ue party | <i>n.</i> a nightclub or restaurant where recorded music is played, and people dance |
| 72. Jo____n satellites | <i>adj.</i> relating to Jupiter or its characteristics |
| 73. dis_____ue scene | <i>n.</i> a nightclub or restaurant where recorded music is played, and people dance |
| 74. the acc_____ent of a social goal | <i>n.</i> the successful completion of a task or goal; an ability that has been acquired by training |
| 75. harmful co_____nd | <i>n.</i> an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements |
| 76. a branch of as_____my | <i>n.</i> the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies |
| 77. the form of a di_____ue | <i>n.</i> a conversation in a book, play, or film |
| 78. the subject of a tr_____se | <i>n.</i> a written work that deals with a particular subject in a thorough and systematic way |
| 79. the com_____on of murder | <i>n.</i> a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something |

ANSWERS: 70. discovery, 71. discotheque, 72. Jovian, 73. discotheque, 74. accomplishment, 75. compound, 76. astronomy, 77. dialogue, 78. treatise, 79. commission

80. look through a te_____pe	<i>n.</i> a device like a tube in shape containing lenses used to magnify and observe distant objects
81. learn new co_____ts	<i>n.</i> an idea or principle associated with something abstract
82. obs_____on instrument	<i>n.</i> the act or activity of carefully examining or monitoring something or someone
83. gro_____rk foundation	<i>n.</i> the basic or preparatory work or steps that provide a foundation for something
84. pa__l visit	<i>adj.</i> relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church
85. ar___t the progress	<i>v.</i> to take into custody
86. a binocular te_____pe	<i>n.</i> a device like a tube in shape containing lenses used to magnify and observe distant objects
87. open to int_____ion	<i>n.</i> an explanation or opinion of something, especially that is not immediately obvious
88. va___y bottom	<i>n.</i> a long depression on the surface of the land, which typically contains a river
89. de___d my country	<i>v.</i> to protect someone or something from attack, criticism, danger, etc.
90. b_n gender-related job discrimination	<i>v.</i> to officially or legally forbid or refuse to allow something
91. as_____my science	<i>n.</i> the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

ANSWERS: 80. telescope, 81. concept, 82. observation, 83. groundwork, 84. papal, 85. arrest, 86. telescope, 87. interpretation, 88. valley, 89. defend, 90. ban, 91. astronomy

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| 92. ch__f accountant | <i>adj.</i> most important or primary; (noun) a person who is in charge |
| 93. or___n of information | <i>n.</i> the first existence or beginning of something |
| 94. ap_____ze for being late | <i>v.</i> to express regret for committing wrongdoing or causing a problem |
| 95. ca_____ic in his tastes | <i>adj.</i> universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader |
| 96. po___h finishing | <i>n.</i> a substance used to smooth or shine a surface; the act of smoothing or shining a surface |

ANSWERS: 92. chief, 93. origin, 94. apologize, 95. Catholic, 96. polish

Session 3: Fill in the Blanks

1. I used a special _____ to make my car's paint shine.
n. a substance used to smooth or shine a surface; the act of smoothing or shining a surface
2. His _____ showed highly positive results.
n. the scientific test conducted to observe what happens and gain new knowledge
3. The Earth _____ around the Sun in an elliptical orbit.
v. to rotate around a central point
4. The _____ had received a mild snowfall the previous week.
n. a long depression on the surface of the land, which typically contains a river
5. The parents refused to _____ their daughter's behavior, which they considered unacceptable.
v. to overlook, forgive, or show approval for an action or behavior that is wrong or disapproved of
6. The antigovernment _____ was put down quickly by the government's military forces.
n. an act of violent or open resistance to an established government or ruler
7. 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
8. The cloistered ____ devoted her life to serving the poor and marginalized.
n. a woman who has taken religious vows and is a member of a monastic community

ANSWERS: 1. polish, 2. experiments, 3. revolves, 4. valley, 5. condone, 6. rebellion, 7. inspired, 8. nun

9. The _____ clock was a familiar sight in the old house.
- n.* a weight hung from a fixed point used to regulate the movement of a clock or other mechanism
10. Common salt is a sodium and chlorine _____.
- n.* an item composed of two or more distinct elements combined; a chemical formed by the combination of two or more elements
11. 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
12. A police officer has the authority to _____ a criminal.
- v.* to take into custody
13. The church _____ teaches that all are equal in the eyes of God.
- n.* a belief or set of ideas held and taught by a church, political party, or other groups
14. In the hospital, she will remain under constant _____.
- n.* the act or activity of carefully examining or monitoring something or someone
15. Necessity is the mother of _____.
- n.* the creation of a new device or process resulting from study and experimentation; the act of inventing
16. After much contemplation, the suspect decided to plead _____ to the theft charge.
- adj.* feeling responsible for or having done something wrong or criminal

ANSWERS: 9. pendulum, 10. compound, 11. microscope, 12. arrest, 13. doctrine, 14. observation, 15. invention, 16. guilty

17. Sociologists are now interested in _____ world peace.

adj. universal and including many different types of things; related to or associated with the part of the Christian Church that has the Pope as its leader

18. 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

19. One such rapidly growing _____ is quantum cryptography.

n. an idea or principle associated with something abstract

20. He has a flair for _____.

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

21. They laid the _____ for the new project by conducting thorough research.

n. the basic or preparatory work or steps that provide a foundation for something

22. He had to _____ two hours each way to get to work.

v. to regularly travel a particular journey, especially between one's home and place of work; (noun) a regular journey of some distance to and from your place of work

23. He couldn't wait to hit the _____ and dance the night away.

n. a nightclub or restaurant where recorded music is played, and people dance

24. Their headquarters are in a _____ skyscraper.

adj. of or belonging to the present time or recent times

ANSWERS: 17. catholic, 18. telescope, 19. concept, 20. mathematics, 21. groundwork, 22. commute, 23. discotheque, 24. modern

25. The motion of planets can be described using _____ mechanics.

adj. relating to Sir Isaac Newton or his laws of motion and universal gravitation

26. She gets a _____ on each contract.

n. a formal instruction, command, or request given to a person or group; an official group of people entrusted by a government or other official body to control or enforce something

27. The _____ was a period of religious persecution in Europe.

n. a judicial or official inquiry, especially one aimed at suppressing dissent or heresy

28. He recorded the _____ at the time of the incident.

n. a conversation in a book, play, or film

29. The couple had been happily married for years and cherished the sanctity of their union in _____.

n. the state of being married; matrimony

30. His _____ of literary works are often unique.

n. an explanation or opinion of something, especially that is not immediately obvious

31. Mining is a _____ source of income for the country.

adj. most important or primary; (noun) a person who is in charge

32. The _____ moon Europa is believed to have an ocean beneath its icy surface.

adj. relating to Jupiter or its characteristics

ANSWERS: 25. Newtonian, 26. commission, 27. inquisition, 28. dialogue, 29. wedlock, 30. interpretations, 31. chief, 32. Jovian

33. He had a deep passion for extragalactic _____ and spent hours observing the night sky.

- n.* the scientific study of objects and matter outside the Earth's atmosphere, especially the positions, motions, and evolution of celestial bodies

34. I _____ for neglecting your email.

- v.* to express regret for committing wrongdoing or causing a problem

35. We should ____ mildly violent video games from a child's development perspective.

- v.* to officially or legally forbid or refuse to allow something

36. 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.

37. 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

38. Students have loved this textbook for many years as a biology _____.

- n.* the sacred writings of the Christian religions, consisting of the Old and New Testaments; a book regarded as authoritative in its field

39. He studied the _____ of radiation.

- n.* the science of matter and energy and their interactions

40. The _____ palace was a grand and imposing structure.

- adj.* relating to the pope (= the head of the Roman Catholic Church) or the Roman Catholic Church

ANSWERS: 33. astronomy, 34. apologize, 35. ban, 36. defend, 37. planet, 38. bible, 39. physics, 40. papal

41. The object's _____ kept it moving in a straight line until acted upon by an outside force.

n. the quality or state of being inactive, sluggish, or slow to move or act

42. Her research team made an important _____.

n. the act or process of finding information, a place, or an object, or learning about something that was previously not known

43. His _____ in the face of danger saved the lives of his comrades.

n. courage in the face of danger

44. This question has fascinated solar _____ for decades.

n. a physicist who studies astronomy

45. He wrote a _____ on the history of philosophy, covering the ideas and theories of major philosophers.

n. a written work that deals with a particular subject in a thorough and systematic way

46. Graduating from college was a major _____ for her.

n. the successful completion of a task or goal; an ability that has been acquired by training

47. She tried to _____ her parents by moving to the city against their wishes.

v. to challenge or dare someone to do something; to resist or disobey a rule, decision, etc.

48. There are various hypotheses concerning the _____ of life.

n. the first existence or beginning of something

ANSWERS: 41. inertia, 42. discovery, 43. bravery, 44. astronomers, 45. treatise, 46. accomplishment, 47. defy, 48. origin

ANSWERS: