

Nature of Science

- 1. hypothesis**
- 2. scientific method**
- 3. procedure**
- 4. problem**
- 5. conclusion**
- 6. control**
- 7. controlled variable**
- 8. independent variable**
- 9. manipulated variable**
- 10. dependent variable**
- 11. responding variable**
- 12. control group**
- 13. experimental group**
- 14. measurement**
- 15. data collection**
- 16. dry mix**
- 17. limitation of models**
- 18. mass**
- 19. volume**
- 20. density**
- 21. safety goggles**
- 22. lab apron**

Living Systems and Environment

- 1. cell**
- 2. tissue**
- 3. organ**
- 4. organism**
- 5. population**
- 6. community**
- 7. ecosystem**
- 8. nucleus**
- 9. DNA**

- 10. mitochondria**
- 11. chloroplast**
- 12. vacuole**
- 13. cell wall**
- 14. cell membrane**
- 15. animal cell**
- 16. plant cell**
- 17. cellular respiration**
- 18. photosynthesis**
- 19. nitrogen cycle**
- 20. unicellular**
- 21. multicellular**
- 22. niche**
- 23. carbon cycle**
- 24. food web**
- 25. food chain**
- 26. producer**
- 27. primary consumer**
- 28. secondary consumer**
- 29. consumer**
- 30. decomposer**
- 31. 10% rule**
- 32. homeostasis**
- 33. regulation**
- 34. feedback mechanism**
- 35. water cycle**
- 36. endangered**
- 37. extinct**
- 38. predator**
- 39. prey**
- 40. carnivore**
- 41. herbivore**
- 42. omnivore**
- 43. heterotroph**
- 44. autotroph**
- 45. parasitism**
- 46. mutualism**
- 47. chromosomes**
- 48. inherited trait**

49. learned trait
50. dominant trait
51. recessive trait
52. adaptation
53. mutation
54. primary succession
55. secondary succession
56. lichens

Matter and Energy

1. atom
2. proton
3. electron
4. neutron
5. isotope
6. ion
7. element
8. metal
9. nonmetal
10. metalloid
11. group/family
12. period
13. alkali metal
14. alkaline metal
15. halogen
16. noble gases
17. valence electrons
18. compound
19. molecule
20. physical change
21. chemical change
22. phases of matter
23. chemical equation
24. reactants
25. products
26. yields

27. law of conservation of mass
28. potential energy
29. gravitational potential energy
30. kinetic energy
31. mixture
32. solution
33. transparent
34. substance
35. decomposed
36. exothermic
37. endothermic
38. compost bin
39. biomass
40. counting atoms
41. counting elements

Forces and Motion

1. 1st Law of Motion
2. 2nd Law of Motion
3. 3rd Law of Motion
4. Sir Isaac Newton inertia
5. gravity
6. speed
7. acceleration
8. constant speed
9. potential energy
10. kinetic energy
11. waves
12. transverse wave
13. longitudinal wave
14. compression wave
15. crest
16. trough
17. wavelength
18. amplitude

19. electromagnetic spectrum
20. reflection
21. refraction
22. diffraction
23. hertz
24. frequency
25. media
26. magnet
27. sound waves
28. simple machines
29. input force
30. output force
31. fulcrum
32. lever
33. pulley

Earth and Space Science

1. universe
2. nebula
3. stars
4. planets
5. solar system
6. galaxy
7. asteroid
8. comet
9. meteor
10. meteorite
11. big bang theory
12. Hertzsprung-Russell diagram
13. Earth
14. inner core
15. outer core
16. mantle
17. crust
18. asthenosphere

20. oceans
21. lakes
22. rivers
23. plate tectonics
24. mountains
25. mid-ocean ridge
26. subduction
27. trench
28. fault
29. earthquake
30. S waves
31. P waves
32. land subsidence
33. watershed
34. aquifer
35. convergent boundary
36. divergent boundary
37. transform boundary
38. volcano
39. lava or magma
40. rock cycle
41. sedimentary rock
42. metamorphic rock
43. igneous rock
44. cementation
45. compaction
46. cooling
47. weathering
48. erosion
49. chemical weathering
50. physical weathering
51. river delta
52. deposition
53. accumulation
54. fossil fuels
55. renewable resource
56. nonrenewable resource
57. inexhaustible resource
58. habitat destruction

59. **greenhouse effect**
60. **global warming**
61. **runoff**
62. **reservoir**
63. **water table**
64. **cavern**
65. **marsh**
66. **wetland**
67. **coastal plains**
68. **Alfred Wegner**
69. **Pangea**
70. **solar eclipse**
71. **lunar eclipse**
72. **lunar phases**
73. **waxing crescent**
74. **waning crescent**
75. **first quarter**
76. **last quarter**
77. **full moon**
78. **waxing gibbous**
79. **waning gibbous**
80. **new moon**
81. **seasons**
82. **Earth's tilt**
83. **revolution**
84. **rotation**
85. **equinox**
86. **solstice**
87. **spring tide**
88. **neap tide**
89. **high tide**
90. **low tide**
91. **light year**
92. **topographic map**
93. **contour lines**
94. **elevation**
95. **landforms**
96. **weather**
97. **climate**
98. **cold front**
99. **warm front**
100. **stationary front**
101. **precipitation**
102. **ecosystems**
103. **sea breeze**
104. **currents**
105. **Coriolis effect**
106. **ring of fire**
107. **law of superposition**