

SCIENCE QUIZ QUESTIONS

CHEMISTRY GRADE 6-8

- 1. Wind, water, geothermal solar and biomass are what types of energy sources?**
Renewable energy sources.
- 2. Another word for water power is:**
Hydroelectricity
- 3. What's the lightest element in the periodic table?**
Hydrogen
- 4. What is the atomic number of carbon?**
6
- 5. Name the lightest Noble Gas?**
Helium
- 6. Which of the following has the higher pH value? Lime Juice or caustic soda.**
Caustic Soda
- 7. What kind of element would you find on the far left-hand side of the periodic table.**
Metals
- 8. Which of the following is not produced if you mix (an acid) and (an alkali, or base) together?**
A) Salt B) Carbon dioxide
Carbon Dioxide
- 9. Elements are made up of tiny particles called _____.**
Atoms
- 10. What scientist came up with the periodic table?**
Dimitri Mendeleev
- 11. A nucleus of an atom can have a negative charge.**
A. True B. False
False
- 12. The most abundant element on earth is _____.**
Oxygen
- 13. The number of protons in the nucleus of an atom is known as the _____.**
Atomic Number
- 14. The center or core of an atom is called _____.**
Nucleus
- 15. This is a particle that carries a negative electrical charge.**
Proton

- 16. This is a particle that carries a positive electrical charge.**
Electron
- 17. The Greek word *atomos* means _____.**
Undivisible
- 18. What is the name for group 8 in the periodic table?**
Noble Gases
- 19. What is the name for group 7 in the periodic table?**
Halogen
- 20. In the periodic table, what is a period?**
Horizontal row
- 21. What is hardest naturally occurring substance in the world?**
Diamond
- 22. What is the name for group 1 in the periodic table?**
Alkali Metals
- 23. What is the symbol for sodium?**
Na
- 24. Which metal is a liquid at room temperature?**
Mercury
- 25. What is the hardest man made substance in the world.**
Graphene. One atom thin sheet of graphene is 200 times stronger than steel.
- 26. Which of these metals is a pure element? Silver or steel**
Silver
- 27. Carbondioxide is a diatomic element? True or False.**
False
- 28. C is the correct chemical symbol for ...**
Carbon
- 29. In the periodic table, the elements are arranged in order of increasing:**
Atomic Number
- 30. Since it floats on water, Is lithium more or less denser than water?**
Less dense
- 31. Li, Na, K and Cs are group 1 elements. The most reactive is :**
Caesium
- 32. F, Cl, Br and I are group 7 elements. The most reactive is:**
F
- 33. In terms of heat conductance, all the elements in group 7 of the periodic table are:**
Insulators
- 34. The temperature at which a substance changes from a liquid to a gas is called:**
Boiling point

- 35. Anything that has definite volume but no definite shape is called:**
Liquid
- 36. Amount of space of an object is termed as:**
Mass
- 37. The temperature at which a substance changes from a gas to liquid.**
Condensation temperature
- 38. The smallest particle of carbon dioxide CO₂ is called:**
Molecule
- 39. Which type of energy is given out by a luminous object?**
Light
- 40. Which type of energy is stored energy due to gravity?**
Potential gravitational energy
- 41. On which side are the non-metallic elements found in the periodic table?**
Extreme right side
- 42. When a material is dissolved, what does it make?**
A Solution
- 43. If you mixed sand, sugar and water, which material would dissolve?**
Sugar
- 44. What might you use to separate a mixture of sand and iron filings?**
With the help of a magnet
- 45. Lowering the temperature of a substance causes its particles to do what?**
Lose energy
- 46. Mixture of metals is called:**
Alloy
- 47. How is the rate of dissolution affected by increase in temperature**
The rate also increases with the increase in temperature
- 48. The symbol for Potassium is ___?**
K
- 49. What impact would reducing the volume of a gas have on pressure ?**
Increases the pressure
- 50. When a smell spreads, particles move away from where they originated. This is called:**
Diffusion
- 51. The state of matter which has very low density is:**
Gas
- 52. What happens to the volume of matter when the energy of its particles is taken away:**
It decreases
- 53. What is water called when it is a gas?**
Steam

54. Chemical name of dry ice is:

Carbon dioxide

55. Although air is made up of several gasses, the two main ones are nitrogen and which other?

Oxygen

56. What is the freezing point of water?

0 Degrees centigrade

57. Which state of matter has the most densely-packed particles?

Solids

58. The columns found in the periodic table are known as:

Groups

59. The means by which all chemical elements are organized based on their atomic number, electron configurations and their recurring chemical properties is called:

The periodic Table

60. Of the confirmed elements ____ occur naturally:

94

61. Total number of elements in the periodic table are:

118

62. The symbol for Tin is:

Stannum (Sn)

63. The symbol for Arsenic is:

As

64. The symbol for Lead is:

Plumbum (Pb)

65. Heaviest naturally occurring element is:

Uranium

66. Latin name for Copper is:

Cuprum

67. Plasticine can be easily molded or squashed into different shapes. What do we call this property?

Malleability

68. If light cannot pass through a material, which property does that material have:

Opacity

69. Which subatomic particles is located outside the nucleus?

Electrons

70. How many groups are there in the periodic table?

18

71. One property shared by liquids and gases:

Fluidity

72. Chemical name for Gold:

Aurum (Au)

73. Chemical name for silver:

Argentum (Ag)

74. Chemical symbol for mercury

Hydrargyrum (Hg)

75. Man-made attempts to form cloud and rain is called what?

Cloud Seeding