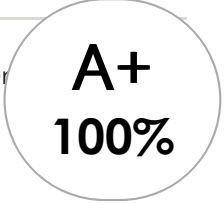


17 Multiple choice questions



A+
100%

- a solid material with a high melting point that conducts electricity in both liquid and solid states e.g.
 - non-metals
 - matter
 - CORRECT: metals**
 - semi-metals

- any material substance; there are three physical states: solid, liquid and gas
 - mixture
 - metals
 - proton
 - CORRECT: matter**

- a way to describe chemical reactions using the names of substances involved
 - proton
 - neutron
 - CORRECT: word equation**
 - noble gases

- the theory that all matter is made up of tiny particles that are in a continual state of motion
 - CORRECT: particle theory of matter**
 - Periodic Table
 - physical properties
 - matter

- a substance with a low melting point that does not conduct electricity e.g. O, C, P, Cl
 - metals
 - semi-metals
 - synthesis
 - CORRECT: non-metals**

6. a material composed of more than one substance that can be physically separated e.g. sea water, air
- CORRECT: mixture**
 - proton
 - metals
 - matter
7. the rocks of the Earth, the Earth's crust
- mixture
 - CORRECT: lithosphere**
 - synthesis
 - matter
8. a chemical reaction in which a new substance is formed
- CORRECT: synthesis**
 - matter
 - metals
 - non-metals
9. a representation of the valence electrons of an atom
- lithosphere
 - CORRECT: Lewis dot structure**
 - Periodic Table
 - mixture
10. the elements of group 18 of the Periodic Table: helium, neon, argon, krypton, xenon and radon; they are all extremely unreactive
- CORRECT: noble gases**
 - non-metals
 - neutron
 - metals

11. a table of the chemical elements in order of atomic number, arranged in rows and columns to illustrate periodic similarities and trends in physical and chemical properties
 - a. semi-metals
 - b. proton
 - c. non-metals
 - d. **CORRECT: Periodic Table**

12. the number of protons and neutrons in the nucleus of an atom
 - a. matter
 - b. proton
 - c. **CORRECT: mass number**
 - d. mixture

13. an elementary particle of an atom, found in the nucleus
 - a. mixture
 - b. metals
 - c. matter
 - d. **CORRECT: neutron**

14. characteristics of a substance that do not involve formation of a new substance e.g. density, melting point, colour
 - a. **CORRECT: physical properties**
 - b. semi-metals
 - c. lithosphere
 - d. proton

15. elements that have properties between those of metals and non-metals e.g. Si, Ge
 - a. metals
 - b. mixture
 - c. non-metals
 - d. **CORRECT: semi-metals**

16. a relative measure of the masses of each component of a mixture, using percentages
- word equation
 - physical properties
 - CORRECT:** percentage composition
 - proton
17. an elementary particle of an atom, found in the nucleus
- metals
 - CORRECT:** proton
 - matter
 - mixture