Quizlet NAME _____

17 Multiple choice questions

1. a solid material with a high melting point that conducts electricity in both liquid and solid states e.g. Cu, Al
    a. non-metals
    b. matter
    c. metals
    d. semi-metals

2. any material substance; there are three physical states: solid, liquid and gas
    a. mixture
    b. metals
    c. proton
    d. matter

3. a way to describe chemical reactions using the names of substances involved
    a. proton
    b. neutron
    c. word equation
    d. noble gases

4. the theory that all matter is made up of tiny particles that are in a continual state of motion
    a. particle theory of matter
    b. Periodic Table
    c. physical properties
    d. matter

5. a substance with a low melting point that does not conduct electricity e.g. O, C, P, Cl
    a. metals
    b. semi-metals
    c. synthesis
    d. non-metals

6. a material composed of more than one substance that can be physically separated e.g. sea water, air
    a. mixture
    b. proton
    c. metals
    d. matter

7. the rocks of the Earth, the Earth's crust
    a. mixture
    b. lithosphere
    c. synthesis
    d. matter

8. a chemical reaction in which a new substance is formed
    a. synthesis
    b. matter
    c. metals
    d. non-metals

9. a representation of the valence electrons of an atom
    a. lithosphere
    b. Lewis dot structure
    c. Periodic Table
    d. mixture

10. the elements of group 18 of the Periodic Table: helium, neon, argon, krypton, xenon and radon; they are all extremely unreactive
    a. noble gases
    b. non-metals
    c. neutron
    d. 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. Periodic Table

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

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

14. characteristics of a substance that do not involve formation of a new substance e.g. density, melting point, colour
    a. 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. semi-metals

16. a relative measure of the masses of each component of a mixture, using percentages
    a. word equation
    b. physical properties
    c. percentage composition
    d. proton

17. an elementary particle of an atom, found in the nucleus
    a. metals
    b. proton
    c. matter
    d. mixture