

MATTER
SCIENCE EXAM
NINTH GRADE

Multiply Selection

Choose the correct answer.

1. Is made up of indivisible particles called atoms:
 - a. Matter
 - b. Weight
 - c. Mass
2. Is the smallest portion of an element:
 - a. element
 - b. atom
 - c. molecule
3. Matter according to its origin is classified by:
 - a. organic
 - b. inorganic
 - c. a and b are correct
4. Matter according to its composition is classified:
 - a. b and c are correct
 - b. pure substances
 - c. mixtures
5. Matter according to its physical state is classified:
 - a. Liquid, gas
 - b. Solid, fluid, plasma
 - c. Texture, color
6. Are two types of mixtures:
 - a. Homogeneous
 - b. heterogeneous
 - c. a and b are correct
7. Are pure simple substances that can not be broken down into other simpler substances.
 - a. Chemical elements
 - b. Chemical equation
 - c. Chemical reaction
8. Is an example of chemical element.
 - a. H₂
 - b. H₂O- water
 - c. O₂
9. Is the smallest particle of a simple or compound substance.
 - a. atom
 - b. electron
 - c. molecule
10. are graphic representations of chemical reactions.
 - a. Chemical equations

- b. Chemical reactions
 - c. Chemical element
11. Is an example of a chemical equation.
- a. NO_2
 - b. $\text{H}_2\text{O} \rightarrow \text{H}_2 + \text{O}$
 - c. H_2O
12. Inorganic compounds are composed:
- a. Oxides, bases
 - b. Hydroxides, acids, salts
 - c. A and b are correct
13. Are a type of energy resource derived from the slow decomposition of living organisms.
- a. Fossil fuel
 - b. water
 - c. coal
14. is a mixture of remains of marine organisms.
- a. coal
 - b. oil
 - c. natural gas
15. is a compound formed by two elements: hydrogen and carbon
- a. carbon
 - b. amine
 - c. hydrocarbon
16. Is the main source of energy on the planet.
- a. Fossil fuel
 - b. oxygen
 - c. Carbon
17. Are some derivatives of petroleum.
- a. Coal, oil
 - b. Paraffins, mineral waxes
 - c. Gas, water
18. Kerosene is a derivative of petroleum?
- a. Yes
 - b. No