

Name \_\_\_\_\_

Date \_\_\_\_\_

## PHYSICAL SCIENCE MATTER REVIEW

Identify the letter of the choice that best completes the statement or answers the question!

1. Matter is defined as anything that
  - a. can be seen and touched.
  - b. has mass and takes up space.
  - c. can be weighed.
  - d. contains kinetic or potential energy.
2. A substance that cannot be broken down into simpler substances is
  - a. a compound.
  - b. a mixture
  - c. an element
  - d. an atom
3. A material that can be represented by a chemical formula is
  - a. an element
  - b. a mixture
  - c. a homogeneous solution.
  - d. a pure substance.
4. Knowing the chemical properties of a substance will tell you how the substance
  - a. looks
  - b. smells
  - c. can be broken down into atoms.
  - d. reacts with other substances.
5. A liquid changes rapidly into a gas at the liquid's
  - a. boiling point
  - b. freezing point
  - c. melting point
  - d. condensation point
6. A physical property of gold is its
  - a. density
  - b. reactivity with powerful acids
  - c. non-flammability.
  - d. None of the above
7. Grinding quartz crystals down to produce sand is an example of a
  - a. change of state.
  - b. chemical change.
  - c. chemical reaction.
  - d. physical change
8. The process of a liquid becoming a solid is called
  - a. condensation
  - b. freezing
  - c. evaporation
  - d. melting
9. Which state of matter has a definite volume, but not shape?
  - a. plasma
  - b. gas
  - c. liquid
  - d. solid
10. Which state of matter will hold its shape without a container?
  - a. solid
  - b. liquid
  - c. gas
  - d. plasma
11. The kinetic theory states that the higher the temperature, the faster the
  - a. particles that make up a substance move.
  - b. bonds between atoms break down.
  - c. molecules of gas rush together.
  - d. lighter particles within a substance clump together.
12. The law of conservation of mass states that mass cannot be
  - a. burned
  - b. changed in form
  - c. created or destroyed
  - d. heated or cooled