

Questions

Choose the best answer for each question and circle .

1. The state of matter for an object which has neither definite shape nor definite volume is:
 - solid state
 - liquid state
 - gaseous state
 - elemental state
2. Which one of the following is a physical change only?
 - burning gasoline
 - decomposing meat
 - rusting iron
 - making ice cubes
3. Which one of the following is a chemical property?
 - oxygen is a gas
 - helium gas does not react with hydrogen gas
 - sodium is a soft, shiny metal
 - water has a high specific heat
4. Which one of the following is a compound?
 - aluminum
 - gold
 - sodium chloride
 - air
5. which of the following is an element?
 - sugar
 - vinegar
 - air
 - nitrogen
6. Which is an example of a heterogeneous mixture?
 - PEPSI
 - chunky chocolate ice cream
 - an alloy
 - air
7. The method of separating a mixture into its solid and liquid components is called:
 - vaporization
 - filtration
 - distillation
 - none of the above

8. A pure substance made up of the same kind of atoms is called
an element
a pure mixture
a compound
none of the above

9. The calorie is a unit of:
temperature
energy
specific heat
absolute temperature

10. Energy is the ability:
electric socket
do work
temperature
to think

11. A water molecule most looks like what cartoon character?
A. Mickey Mouse B. Fred Flintstone C. Spiderman

Chemical or Physical Change or Property (Circle)

1. C P Sodium and chloride reacting to make salt.
2. C P Ice melting into water.
3. C P Hammer driving a nail into wood.
4. C P Baking soda and vinegar reacting and making CO₂ gas.
5. C P A battery in a flashlight making electricity.
6. C P Dynamite exploding.
7. C P The temperature of a rock going up as its heated by the sun in the desert.
8. C P Boiling point of a liquid.
9. C P Melting point of a solid.
10. C P Burning propane in a furnace.
11. C P Burning gasoline in a BMW.