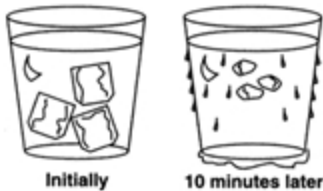


Mixtures and solutions

Indicate the answer choice that best completes the statement or answers the question.

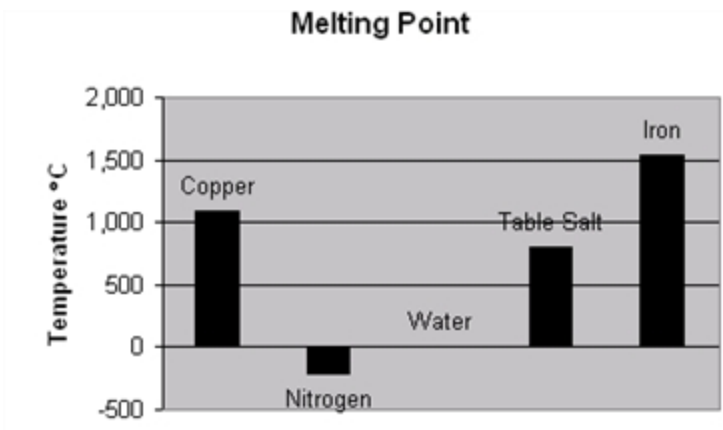
- ___ 1. The color, odor, and density of a substance are all _____.
a. imagined properties b. material properties
c. physical properties d. chemical properties
- ___ 2. Which is not a possible sign of a physical change?
a. a change in appearance b. a change in volume
c. the release of energy d. a change in state
- ___ 3. When water freezes into an ice cube, the particles _____.
a. will never be the same
b. do not change in density
c. become more tightly packed together
d. become less tightly packed together
- ___ 4. In which state do particles spread apart quickly in all directions?
a. solid b. liquid
c. gas d. plasma
- ___ 5. Luis set a glass of ice water outside in the sunshine. When he looked at the glass 10 minutes later, the contents had changed. Which kind of change took place?



- a. freezing b. conduction
c. chemical change d. physical change

Mixtures and solutions

___ 6. Use the graph below to answer the question.



Which material requires more heat to melt?

- a. iron
- b. copper
- c. nitrogen
- d. table salt

___ 7. Which mixture is a solution?

- a. muddy water
- b. cranberry juice
- c. potting soil
- d. milk

___ 8. Which happens when baking soda is mixed with vinegar?



- a. New substances are formed.
- b. The substances stay the same.
- c. The baking soda stays the same but the vinegar changes form.
- d. The mixture turns from a liquid into a solid.

Name: _____ Class: _____ Date: _____

Mixtures and solutions

- ___ 9. The temperature at which a substance melts is called its _____.
a. boiling point b. melting point
c. freezing point d. evaporation
- ___ 10. Rebecca made a mixture of raisins, nuts, and dried fruit for a snack. Which kind of mixture was Rebecca's snack?
a. solution b. colloid
c. heterogeneous mixture d. suspension

Name: _____ Class: _____ Date: _____

Mixtures and solutions

Answer Key

1. c
2. c
3. c
4. c
5. d
6. a
7. b
8. a
9. b
10. c