**53 Spiral Review part 4**

Every element in the periodic table \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What is the simplest type of a pure substance?

Every element in the periodic table \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. is the same size

B. has a set of unique characteristics

C. combines easily with the other elements

D. is solid at room temperature

What is the simplest type of a pure substance?

A. compound B. element

C. mixture D. colloid

**53 Spiral Review part 5**

Each element has unique \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What is the smallest part of a gold ring that is still gold?

Each element has unique \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A. shape

B. color

C. atoms

D. charge

What is the smallest part of a gold ring that is still gold?

A. an atom

B. an electron

C. a molecule

D. a compound

**53 Spiral Review part 6**

15. Which substance is composed of only one type of atom?

16. Chocolate is a substance that is solid at room temperature. What does this tell us about the melting

point of chocolate?

15. Which substance is composed of only one type of atom?

A. water B. gold

C. salt D. sugar

16. Chocolate is a substance that is solid at room temperature. What does this tell us about the melting point of chocolate?

A. it is warmer than room temperature.

B. it is cooler than room temperature.

C. it is the same as room temperature.

D. chocolate does not melt.

**53 Spiral Review part 7**

17. At room temperature, the molecules in a sample of mercury metal slip and slide past each other. What state of matter is mercury in at room temperature?

21. Rubbing alcohol has a boiling point of 108 C. What happens to the alcohol molecules at this temperature?

17. At room temperature, the molecules in a sample of mercury metal slip and slide past each other. What state of matter is mercury in at room temperature?

A. plasma B. liquid

C. solid D. gas

21. Rubbing alcohol has a boiling point of 108 C. What happens to the alcohol molecules at this temperature?

A. They disappear.

B. They form a rigid, solid structure.

C. They begin to move closer to one another.

D. They begin to move independently from each other.

**53 Spiral Review part 8**

27. Which would be most useful for identifying an unknown solid?

28. Which describes the particles in a substance with no definite volume or shape?

27. Which would be most useful for identifying an unknown solid?

A. density B. mass

C. volume D. shape

28. Which describes the particles in a substance with no definite volume or shape?

A. particles are close but can move freely

B. particles are close but can vibrate in all directions

C. particles are far apart and cannot move

D. particles are far apart and move freely

**53 Spiral Review part 9**

30. Materials made of the same substance will have characteristics in common. Which property is most likely to remain constant in different samples of the same material?

30. Materials made of the same substance will have characteristics in common. Which property is most likely to remain constant in different samples of the same material?

A. mass

B. density

C. volume

D. shape