| Name: | Date: |
|---|---|
| | |
| Chapter 5 Quiz | |
| Part A: Matching | |
| 1. Match the term with the a | ppropriate definition. |
| A. evaporation | (a) macroscopic changes only, particles stay the same |
| B. ductile | (b) makes frost |
| $\frac{1}{2}$ C. mass | (c) can be separated using physical properties |
| D. solid | (d) non-metals do not have this property |
| E. chemical change | √(e) new substances are produced |
| _b_ F. deposition | \sqrt{f} density multiplied by volume $\mathcal{D} = \frac{m}{N}$ $\mathcal{D} = m$ |
| h G. boiling point | (g) creates water vapour from liquid |
| H. volume | (h) same temperature as condensation point gas > kquad |
| I. physical change | (i) space something occupies |
| | e $\nu(j)$ state with least particle movement |
| _ | "cool" solid and a "hot" solid is that the particles vibrate a the cool solid. |
| 3. The difference between a particles of the liquid can | solid and a liquid at the same temperature is that the move ρast each other. |
| | hot liquid and a gas is that the particles of the gas |
| | clouds is cooled rapidly, it experiences deposition and What did not talk about this atom. |
| | cid is considered a <u>Chemical</u> property, while a |
| 7. Car bodies can have interes | esting shapes because metals are <u>Mallabl</u> , property. |
| 8. Car bodies can also rust, v | which is called <u>COW OSIDA</u> , property. |

| Name: | Date: | CHAPTER |
|-------|-------|---------|
|-------|-------|---------|

Chapter 5 Quiz (continued)

Part C: Multiple Choice

Circle the letter beside the answer that best completes the statement or answers the question.

- 9. Which of the following is not a physical property?

- (a) state (b) density (c) ductility (d) flammability
- 10. Which of the following geological processes are chemically created?
 - (a) erosion of a riverbank
- (c) heaving of rock by ice formation
- (b) flow of molten lava
- ((d)) formation of limestone cave

1. The 787 is a new airliner. Much of it is made of carbon fibre panels. What do you think is the primary combination of properties that make this a good choice?

- (a) flammable and low density
- (c) low density and high strength
- (b) high density and malleable
- (d) high density and flexibility
- 12. Which property of plastic makes it useful as a handle for pots and pans?
 - (a) is brittle

(c) does not conduct electricity well

(b) conducts heat poorly

- (d) has high density
- 13. Giselle buys a ring and wants to find what type of gold alloy it is. She measures its volume using a graduated cylinder and finds it is 1.9 cm³. Then she measures its mass and discovers it to be 29.5 g. Which alloy is it likely to be? Use the table to answer the question.

| Gold (k) | Density (g/cm³) |
|----------|-----------------|
| 10 | 11.4 |
| 14 | 13.1 |
| 18 | 15.5 |
| 24 | 19.3 |

- (a) 10k (b) 14k (c) 18k (d) 24k
- 14. A particle is vibrating, it is able to slip by other particles, and it moves downward. The particle must be a part of a
- (a) solid (b) liquid (c) plasma (d) gas
- 15. Snow and hail are formed by which two different processes?
 - (a) deposition and solidification
- (c) condensation and evaporation
- (b) deposition and evaporation
- (d) melting and solidification
- 16. Davy Lamps were used by coalminers of the 19th century. They were called safety lamps because their flame was surrounded by a copper metal screen to prevent the flame from igniting any explosive coal gas. How did the lamp work?
 - (a) The screen prevented any gas from getting to the flame.
 - (b) The screen cooled the heat of the flame to a temperature that would not ignite the gas.
 - (c) The gas could not ignite inside the lamp.
 - (d) The gas was not flammable.