

**Post-test**

**WEATHER**

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**Directions:** Read the questions carefully and circle the letter of the best answer.

**1. Water is boiled in a pan on a stove. The state of matter of the water changes from**

- A. liquid to solid
- B. solid to liquid
- C. gas to liquid
- D. liquid to gas

**(Show picture of Water Cycle)**

**2. Which process is occurring at D?**

- A. Condensation
- B. Evaporation
- C. Precipitation
- D. Runoff

**3. Water flowing on Earth's surface at C is called**

- A. Condensation
- B. Evaporation
- C. Precipitation
- D. Runoff

**4. Which process is occurring at B?**

- A. Condensation
- B. Evaporation
- C. Precipitation
- D. Runoff

**5. When a liquid changes to a gas, the process is called:**

- A. Precipitation
- B. Condensation
- C. Evaporation
- D. Freezing

**6. Moisture that falls from the sky is called:**

- A. Precipitation
- B. Condensation
- C. Evaporation
- D. Melting

**7. When a puddle dries up, that is an example of :**

- A. Precipitation
- B. Condensation
- C. Evaporation
- D. Melting

**8. Evaporation, Condensation, and Precipitation are parts of**

- A. the Mud Cycle
- B. a weather man
- C. the Water Cycle
- D. the Cycle of Seasons

**9. Water that collects on the outside of a glass of cold liquid is an example of:**

- A. leaking
- B. evaporation
- C. temperature
- D. melting

**10. Fog is**

- A. really cold
- B. bad for your car
- C. a form of precipitation
- D. a form of condensation

**11. When water gets very hot it changes to**

- A. air
- B. ice
- C. steam
- D. liquid

**12. How does heat affect an ice cube?**

- A. turns it to snow
- B. freezes it
- C. melts it
- D. does not change it

**13. Rain that freezes as it falls is called**

- A. sleet
- B. hail
- C. snow
- D. icicles

**14. During which of the processes below does water vapor change to liquid water?**

- A melting
- B freezing
- C evaporation
- D condensation

**15. When the temperature of a sample of water is  $-5^{\circ}\text{C}$ , the water is**

- A. a gas.
- B. a liquid.
- C. a solid.
- D. a vapor.

**16. Why does a town in the desert rarely experience early morning fog as compared to a town along the coast?**

- A. There is less rainfall in the desert
- B. Temperatures vary more in the desert
- C. There is less water vapor in the desert air
- D. There are fewer plants in the desert

**17. Clouds are formed from tiny drops of water that are light enough to float in the air. As these drops bump into each other, they form larger drops. What happens when these drops become too heavy to float in the air?**

- A. The drops form fog.
- B. The drops evaporate.
- C. The drops fall as rain.
- D. The drops become air.

**18. Clouds and fog are made up of**

- A. water.
- B. heat.
- C. light.
- D. helium.

**19. If enough heat is taken away from a container of water, what will happen to the water?**

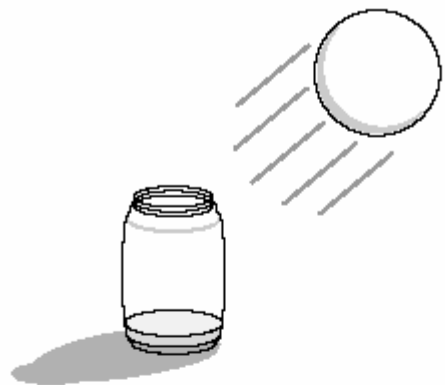
- A. It will begin to boil.
- B. It will become a solid.
- C. It will turn into a gas.
- D. It will increase in weight.

**20. Which of the following statements is NOT true?**

- A. When you change the state of matter you also change the substance.
- B. Particles can evaporate from a liquid before the liquid comes to a boil.
- C. All substances can change states.
- D. Condensation is the opposite of evaporation.

**Bonus:**

- ▶ The picture below shows the Sun shining on an open jar with some water in it.



Justin put the jar of water on a picnic table outside in the sunlight. Which of the following pictures shows what Justin would observe after all of the water had turned into a gas?

