

# Inq. 6.1 – Hydrologic Cycle

(The Water Cycle)

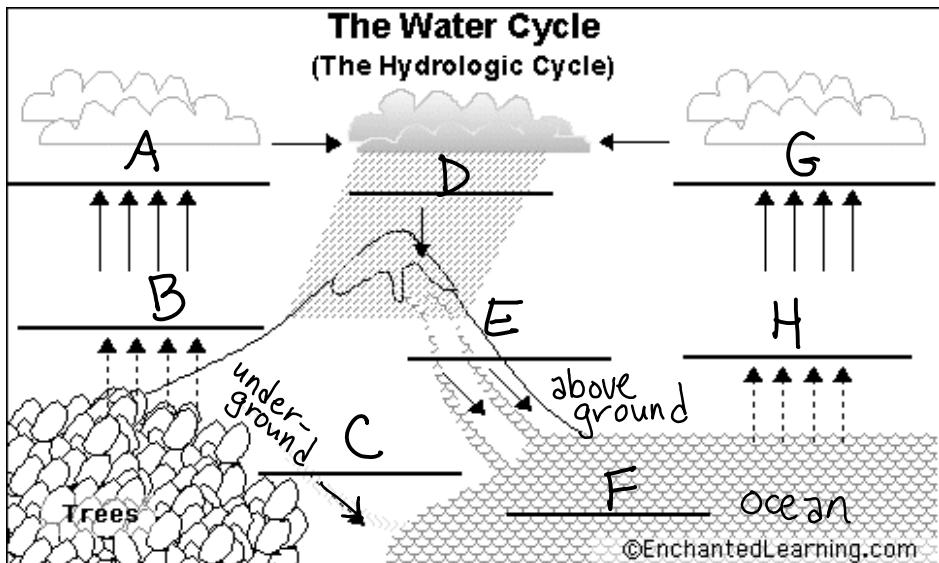
Name \_\_\_\_\_

Date \_\_\_\_\_

Period \_\_\_\_

## THE HYDROLOGIC CYCLE

Read pg. 72, and then fill in the blanks as best you can. SPELLING COUNTS!



**A** \_\_\_\_\_

**B** \_\_\_\_\_

**C** \_\_\_\_\_

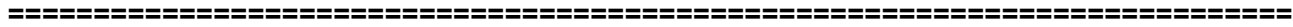
**D** \_\_\_\_\_

**E** \_\_\_\_\_

**F** \_\_\_\_\_

**G** \_\_\_\_\_

**H** \_\_\_\_\_



Use pg. 72 to fill in the chart and answer the questions. HINT: Look at the diagrams too!

State of Matter	Water's Example
Solid	9.
10.	Water
Gas	11.

12. **Evaporation** means that water moves from being a \_\_\_\_\_ to a \_\_\_\_\_, or water vapor.
13. Evaporation only happens if the temperature is (warm / cold.)
14. When evaporation occurs, heat is (lost / gained.)
15. **Condensation** means that water moves from being a \_\_\_\_\_ to a \_\_\_\_\_.
16. The tiny water droplets stick to \_\_\_\_\_ particles in the air.
17. Condensation only happens if the temperature of the air or surface is (warm / cold.)
18. When condensation occurs, heat is (lost / gained.)
19. True or False: Cold air holds more moisture than hot air.

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## Evaporation and Condensation Demonstration

Fill in the blanks as you watch the teacher conduct the demonstrations.

20. Which bottle had more EVAPORATION occurring inside it? \_\_\_\_\_

Why? \_\_\_\_\_

21. Which bottle had more CONDENSATION occurring on the inside of the bottle? \_\_\_\_\_

This happened because there was more \_\_\_\_\_ in the air and the bottle was \_\_\_\_\_ than the air inside it.

22. Ice was put on the outside of the cold water bottle. This caused \_\_\_\_\_ to occur. This happened because the bottle was \_\_\_\_\_ than the air inside the bottle.

23. A rag with hot water was set on the warm water bottle. This caused \_\_\_\_\_ to occur. This happened because the bottle was \_\_\_\_\_ than the air inside it.

**Using what you have learned, answer the following questions:**

24. Explain how the temperature of water is related to the amount of evaporation (and later, condensation) that happens in an area.

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25. In what general area(s) of the world would you expect there to be more evaporation?

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