DAILY Warm-Up 7

Name _____ Date _____

WATER CYCLE

What is the water cycle? How does it affect us? The water cycle is very important to our existence. A *cycle* is another word for circle. The water cycle is like one continuous circle. Water can be found in the form of liquid (drinking water), gas (vapor or steam), or a solid (ice or snow) at any given part of the water cycle. There are three phases that make up the water cycle. These phases are condensation, precipitation, and evaporation.

Condensation is when water vapor in the air turns to liquid. Temperature and air pressure have a lot to do with condensation. Warm air can hold more water than cool air, and therefore the water vapor condenses into small droplets as the temperature falls.

Precipitation is what happens when the water vapor condenses into large droplets. Gravity pulls on the liquid droplets and causes them to fall to the ground. Precipitation can be in the form of snow, sleet, rain, or hail. Air temperature and wind patterns determine the type of precipitation.

Evaporation is when liquid water changes to a gas. This happens with an increase in temperature or a dry wind blowing across the water. Gas rises into the air and forms clouds. Sometimes it even forms fog.

STORY QUESTIONS

1. After reading the passage, which statement is <u>not</u> accurate?
   a. Air temperature and wind patterns determine the type of precipitation.
   b. Precipitation is what happens when the water vapor evaporates.
   c. A *cycle* is another word for circle. The water cycle is like one continuous circle.
   d. Gas rises into the air and forms clouds.

2. The main idea of this passage is . . .
   a. to inform the reader about what happens when it rains.
   b. to inform the reader about the connection between the Earth's orbiting the sun and the water cycle.
   c. to inform the reader about how important condensation is to the Earth.
   d. to share general information about the water cycle and its role.

3. Where can you find information about how water changes to a gas?
   a. second paragraph
   b. not in the passage
   c. fourth paragraph
   d. third paragraph

LIVEWORKSHEETS