Science Study Guide – Chapter 9
Test on Monday, 2-6-17
STUDY! STUDY! STUDY! 😊

Competed study guide due on Tuesday, 1-31-17 for review in class

VOCABULARY

**anemometer** - a weather instrument that measures wind speed

**atmosphere** - the air around Earth

**condensation** - the change of a gas into a liquid

**evaporation** - the change of a liquid into a gas

**fresh water** - water that has very little salt in it

**glacier** - a huge sheet of ice

**groundwater** - Earth’s underground supply of water

**precipitation** - rain, snow, sleet or hail

**water cycle** - the movement of water from Earth’s land and water into the air and back again

SCIENCE CONCEPTS REVIEW

Review Chapter 9 (pages 364–401). Circle the correct answer.

1. When water boils, which process occurs?
   - evaporation  melting  precipitation  condensation

2. If someone told you it was a sunny day and the temperature was 70° F, what are they describing?
   - the ocean  the weather  the water cycle  the atmosphere

3. What does an anemometer measure?
   - temperature  wind speed  rainfall amount  cloud height

Turn Over
4. Which of these processes forms clouds?
   - water vapor rises and condenses
   - liquid water freezes
   - water vapor expands as it rises
   - solid water evaporates

5. Which type of cloud is white and wispy?
   - cirrus
   - cumulus
   - stratus
   - rain

6. How does water move from the air to the land?
   - it forms as groundwater
   - it falls as precipitation
   - it forms glaciers
   - it evaporates from the sky

7. Why is groundwater important?
   - people can find groundwater easily
   - groundwater warms the land
   - groundwater contains more salt than ocean water
   - people use groundwater for drinking and bathing

8. What does this picture show?
   - melting
   - precipitation
   - boiling
   - freezing

**INQUIRY SKILLS**

Students will have to look at a table to answer these questions on the test.

1. If it is sunny for 2 days and then on day 3 it rains, will the temperature increase or decrease? Infer why the temperature was either warmer or cooler.

   This question will be answered based on the information shown on the table. They will have to explain why the temperature would increase or decrease if it rained.

2. What kinds of clouds are linked to rain? Why do you see these types of clouds?

   Cumulus or stratus clouds are linked to rain. According to the chart, it was raining on day 3.