**Test Date*:\_\_\_\_\_\_\_\_\_\_\_*** ***Name: \_\_\_\_\_\_\_\_\_\_\_***

***Science***

**Unit 9 Study Guide**

**Vocabulary**

Weather—conditions of the atmosphere over a short period of time.

Climate—describes the long term weather patterns in an area.

Water Cycle—shows that the movement of water never ends. (evaporation, condensation, precipitation) Water from ocean to rain order (E C P)

Temperature—the measure of how hot or cold something is

Thermometer—measures the air temperature

Anemometer-measures the wind speed

Wind sock—measures the wind direction (airports or anywhere a plane may need to land)

Wind/Weather Vane—measures the wind direction (usually on a barn or tall structure)

Rain Gauge—measures the amount of precipitation

Precipitation-any form of water that falls from the sky (rain, snow, sleet, or hail)

Tornado—storm that forms over land and forms a funnel

Hurricane—storm that forms over water

Thunderstorm- dark clouds in the sky, the sound of thunder, can produce heavy rain or hail

Air—thick layer of gases that surround the Earth.

Atmosphere—a blanket of air that surrounds the Earth and it contains water vapor.

Reasons why we need fresh water.

* Fresh water is the kind of water that animals and plants need to stay alive.
* Only 3 percent of the water on Earth is fresh water, and most of that water is frozen in the ice of glaciers.
* There is a limited amount of fresh water available for land animals and plants.
* The water in the ocean is salty, which is the kind of water that ocean animals need, but it is not what the living things on land need.

**Facts**

The oceans cover about ¾ of the Earth and contain salt water. Salt water can be found in oceans, icebergs, and glaciers

The water cycle shows how water moves in a circle.

Fresh water is water we can drink. It is found in rivers, lakes, streams, ponds, and creeks.

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The Gulf Stream affects the climate of northern Europe by making the climate warmer because it brings warm water.

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Students will need to be able to apply what they have learned to answer questions. They will also need to interpret information from pictures, graphs, and charts.