**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Weather Study Guide**

**The Unit Test is on \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**1) Vocabulary: Know the following definitions.**

Weather

Meteorologist

Sun

Cloud Cover

Data

Latitude

Longitude

Hemisphere

Equator

Angle of incidence

Direct sunlight

Indirect Sunlight

Earth’s axis

Tilt of the Earth

Rotation

Revolution

Climate

**2) Know the following parts of weather & what they are measured with.**

* **Temperature**
* **Wind speed**
* **Wind direction**
* **Precipitation**
* **Barometric (air) Pressure**
* **Thermometer**
* **Anemometer**
* **Wind Vane**
* **Rain Gauge**
* **Barometer**

**3) Know what creates the seasons & how the seasons are affected based on where you are located at on the globe.**

**4) What are the processes that make up the water cycle? Draw the water cycle & label it.**

* evaporation
* condensation
* precipitation
* accumulation
* ground water
* runoff
* water vapor
* transpiration

**5) Describe the following clouds & what type of weather they signal?**

* stratus
* cumulus
* cumulonimbus
* cirrus
* nimbus
* nimbostratus

**6) Describe the following fronts, draw them, and describe what type of weather they bring?**

* warm front
* cold front
* stationary front

**7) Describe the following pressure systems & what type of weather they bring.**

* High pressure system
* Low pressure system

**8) Know the following winds. Be able to draw the land & sea breezes.**

* Wind
* Land (offshore) breeze
* Sea breeze
* Trade winds
* Prevailing westerlies
* Polar easterlies

**9) Know the layers of the atmosphere.**

**Troposphere:** 1st layer- where weather occurs

**Stratosphere:** 2nd layer

**Mesosphere:** 3rd layer

**Thermosphere:** 4th layer

**Exosphere:** 5th layer