

Name: _____ Test Date: Fri, 10/9/15 Parent Signature _____

Weather Study Guide

Directions: This is intended to **guide** your studying. Students should be able to answer the following questions prior to the test. **Students are responsible for vocabulary and all information included in their study file.**

- Be able to identify pictures of the six instruments scientists use to measure weather and tell what each one measures. (See activity in Study File)

1.

2.

3.

4.

5.

6.

- Define the following:

weather-

climate-

front-

wind-

humidity-

air pressure-

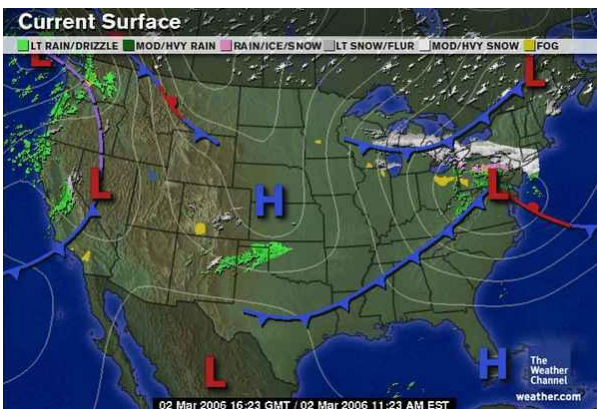
temperature-

- Explain 4 primary cloud types, draw them, and describe the weather associated with or predicted by each.

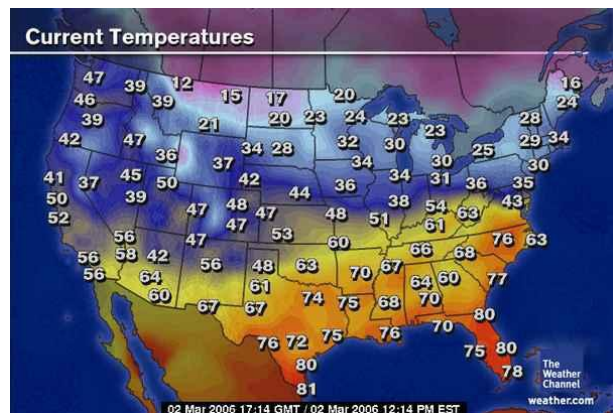
Cloud type <i>Write description</i>	<i>Draw Picture</i>	<i>What type of weather will happen?</i>
Cirrus High, wispy, feathery clouds Composed of ice crystals		Fair weather, but maybe cooler
Cumulus Thick, white, billowy clouds		Appear in sunny summer skies.
Cumulonimbus Thick, dark billowy, clouds		Stormy weather, heavy rain, windy
Stratus Low blanket of grey clouds		Steady light rain or drizzle

- Explain the difference between climate and weather.
- Name 3 factors that can affect climate.
- Draw the symbols for High Pressure and Low Pressure. What kind of weather will we have for each?
 - High Pressure-**
 - Low Pressure-**

- Describe drought conditions and where water might be “stored” during a drought (ground water, glaciers, etc).
- List and explain the four properties of air that scientists measure to determine weather.
 1. T _____
 2. H _____
 3. A _____
 4. W _____
- Explain the four fronts and draw the symbol for each one.
 1. warm front-
 2. cold front-
 3. stationary front-
 4. occluded front-
- Read and understand a weather map and its symbols and predict weather based upon these observations. See “About The Weather” Power Point on Dream Team website.



What do the “H” and “L” mean?
Can you identify the fronts?



What does the air feel like in different areas?

- Practice your Weather and Clouds Quizlets.