





Name: _____

WS – Unit Review (Oceans, Weather & Climate)

1. If asked to name the two *most important* factors when considering a locations climate, what would they be?
2. What are the other 3 factors that should be included in a full description of a region's climate?
3. Why do I keep using the term "region" instead of "location" when referring to climate?
4. Determine the type of energy transfer being demonstrated in each example:
 - a. _____ A pot of beans warming on a grate over a campfire
 - b. _____ A pot of beans warming in an electric crock-pot
 - c. _____ Cold water sinking to the bottom of a glass after adding ice
 - d. _____ Sunlight coming through your window on a Saturday morning
 - e. _____ The dentist making images of your teeth (with fillings and cavities)
 - f. _____ Plugging the radio into the wall socket
 - g. _____ Heating your palms by rubbing your hands together
5. Identify the type of data each of the following tools collects:
 - a. Thermometer
 - b. Anemometer
 - c. Barometer
 - d. Rain gauge
 - e. Hygrometer
 - f. Wind Vane
6. Interpret/Complete these station models:

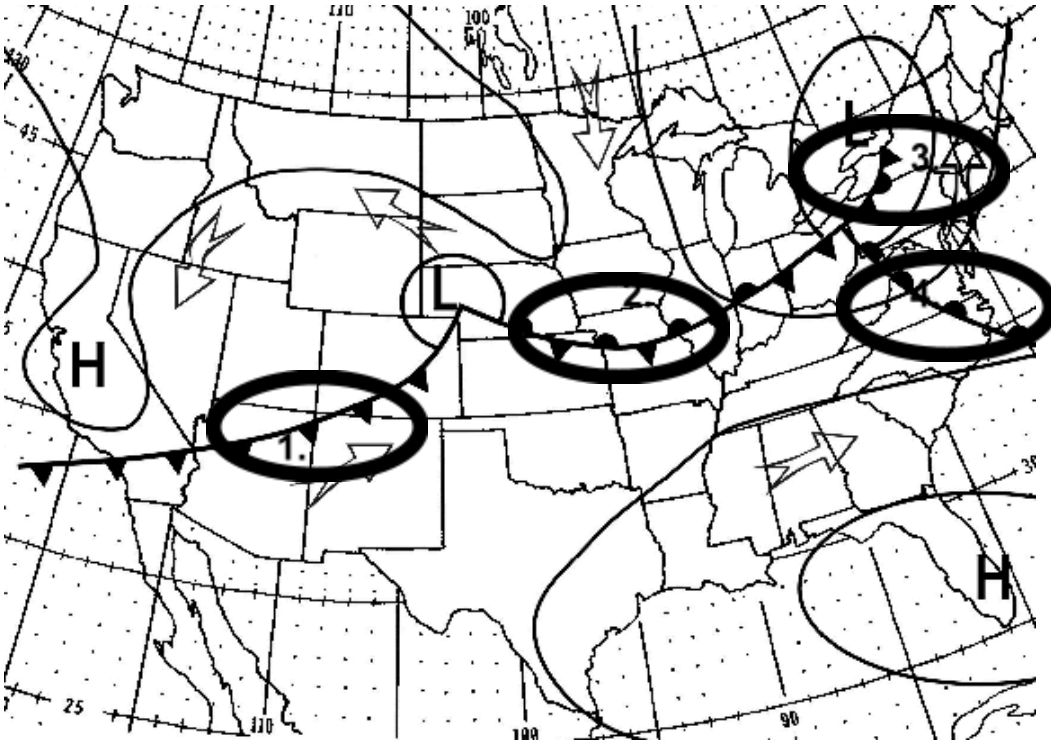
			
Temp.=	Temp.=	Temp.= -1	Temp.= 26
Dew Pt.=	Dew Pt.=	Dew Pt.= -2	Dew Pt.= 20
Wind Dir.=	Wind Dir.=	Wind Dir.= N	Wind Dir.= W
Wind Sp.=	Wind Sp.=	Wind Sp.= 15	Wind Sp.= 5
Pressure=	Pressure=	Pressure= 993.3	Pressure= 1000.7
Trend=	Trend=	Trend= rising	Trend= falling
Cloud=	Cloud=	Cloud= overcast	Cloud= 1/4
Precip.=	Precip.=	Preci=snow	Preci=none

7. What is the Beaufort Scale used to measure?
8. How do winds move on a day/night cycle along the coast?

9. How do winds move on a day/night cycle in mountain region?

10. Describe/diagram the rainshadow.

11. Examine this weather map and answer the questions



A. What type of front is occurring at each numbered circle?

- 1.
- 2.
- 3.
- 4.

B. What direction does the wind travel around the Low Pressure?

C. What type of information is given in the lines that surround the L and H?

D. What would you expect to happen in eastern Virginia in the next 24-48 hours?

12. Complete the chart

Region	Name of wind	Description/Motion of Wind
Equator		
Tropics		
Temperate Zone		
Polar Zones		
	Horse Latitudes	
	Jet Streams	

13. Briefly describe a hurricane, its formation and the damage it can cause.

14. What are the three organizations in the U.S. that oversee weather data and information?

15. What is a monsoon?

16. What is the difference between the “summer” and “winter” monsoons of India?

17. Differentiate between El Nino and La Nina.