

Atmosphere and Weather Test Review

Name _____
Science-8 Teacher _____
Period ____ Date _____

1. What is the source of energy for all weather?
2. Describe how large bodies of water affects the climate of the land near it.
3. Draw a diagram and explain convection.
4. How are low and high pressure areas related to convection?
5. If the pressure over an area increased and the temperature decreased over the span of a few days, what could you conclude happened over that area?
6. Draw and describe how mountains affect climate.
7. Explain how the atmosphere and the oceans interact.
8. How do ocean currents modify climate? Give at least 1 example.
9. What is a front?
10. Draw the symbols and explain the 4 main types of fronts.
11. Describe what type of weather is associated with each type of front.
12. Draw and explain land and sea breezes.
13. What is an air mass? Explain the 4 main air masses including where they form and their characteristics.
14. Explain the general movement of pressure systems in the U.S. What causes this?
15. Describe the following weather instruments and what they measure (include correct metric units): psychrometer, barometer, anemometer, wind vane, rain gauge.
16. Compare the ability of land and water to absorb energy. What does this cause in regards to weather and climate?
17. Define and describe relative humidity.
18. What is the dew point? How does it relate to relative humidity?
19. How does heat relate to pressure? Is humidity affected by this relationship? If so, how?