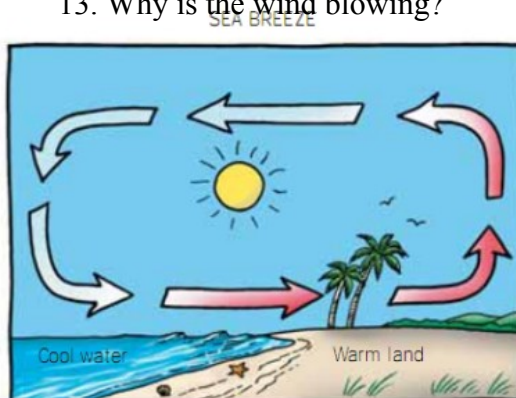


Review for Storms Assessment

1. Under what conditions will the vortex of a tornado form?
2. In what ways are a hurricane and tornado alike?
3. What is the main source of heat energy for weather on the earth?
4. Describe parts of the water cycle and how clouds form.
5. Describe circulation of air or water that forms from uneven heating?
6. What are the main causes of tornadoes?
7. What is El Niño?
8. What do scientists use to study weather?
9. How does rising, warm ocean water in Florida affect weather in Wisconsin?
10. What is this map showing you? What states are affected by this type of storm?
11. Why do more tornadoes form in Tornado Alley than any other place on the earth?



12. Which way does the wind blow when the land is cool or hot?
13. Why is the wind blowing?

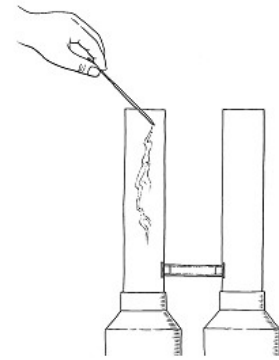
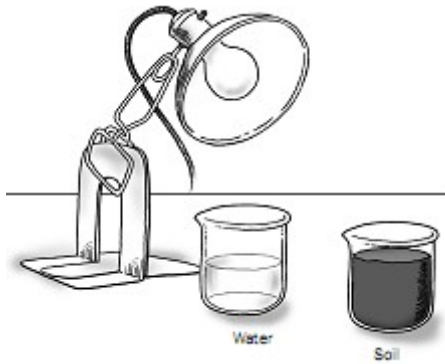


Sea breezes occur during the day.



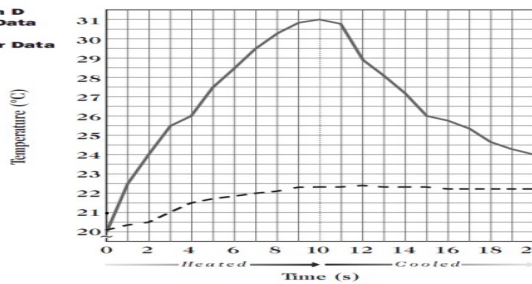
Land breezes occur at night.

14. How could you tell which tube had ice or the candle?



15. What is wrong with this setup?

Graph D
Soil Data
and
Water Data



16. How long was the substance heated before it reached 29 °C?

17. If you did not know how could you tell which curve was water or soil?

18. What is the cause of the movement of wind on the planet Earth?

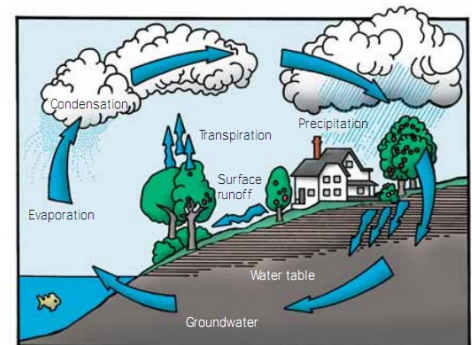
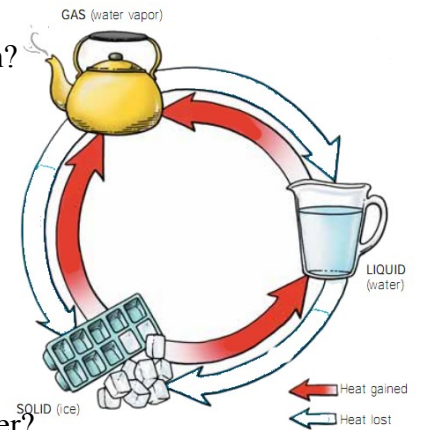
19. What are phase changes and what do they mean?

20. What is upwelling? Why is upwelling important?

21. Low pressure systems are associated with what types of weather?

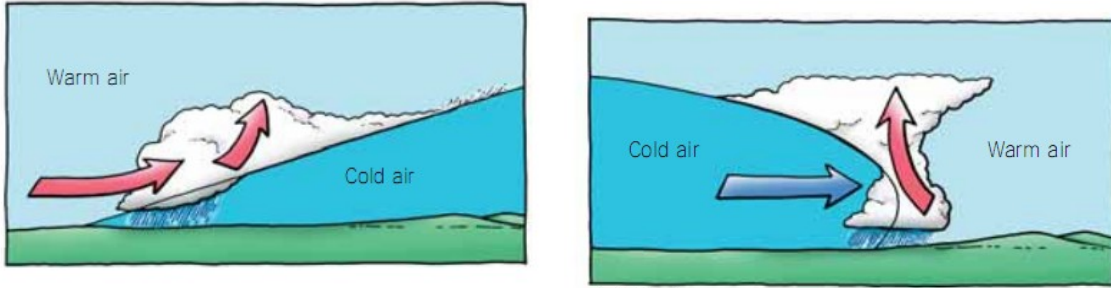
22. High pressure systems are associated with what types of weather?

23. What forces are driving the water cycle?



The water cycle on the earth

24. What is a front? How can you tell which one is moving?



25. How would you describe the direction of ocean currents?

26. Write a weather report and forecast for three regions in the USA on the basis of this map. Use the following words: high-pressure system, low-pressure system, cold front, warm front, precipitation, temperature, forecast, jet stream (read page 62), severe weather, and lightning

