____ 10. Land and sea breezes occur because
   a. land cools off and heats up faster than water.
   b. land cools off more slowly than water.
   c. land heats up more slowly than water.
   d. water heats up more quickly than land.

11. High pressure systems are usually associated with _ (pick all that apply)
   a. bad weather
   b. fair weather
   c. turning clockwise
   d. turning counter clockwise

12. When solar energy comes trough the Earth's atmosphere is (pick all that apply)
   a. absorbed
   b. reflected
   c. transmitted
   d. destroyed

13. The solar energy that comes to the Earth is absorbed by _ (pick all that apply)
   a. gases in the atmosphere
   b. clouds
   c. the land
   d. the moon

____ 14. Solar energy that strikes the surface of the Earth heats the ___ more quickly than the __
   a. land, water
   b. water, land
   c. land, atmosphere
   d. water, atmosphere

15. Low pressure systems are usually associated with (pick all that apply)
   a. bad weather
   b. fair weather
   c. turning clockwise
   d. turning counter clockwise

16. The Jet Steam (pick all that apply)
   a. Fast moving
   b. Slow moving
   c. Ribbon of air
   d. Blows straight from west to east
   e. Dips and bends
   f. Made of warm tropic air
   g. Made of cold polar air
   h. Wide band of air

17. The three climate zones are name them in order from the equator to the poles.

   1. _____

   2. _____

   3. _____

Matching

Match each word or phrase with the correct term.

a. trade winds
b. hurricanes
c. tropical region
d. polar region
e. temperate region
f. convection currents

____ 18. are caused by warm air rising and more dense cool air sinking

____ 19. begin at the equator and extend about 30 degree north

____ 20. starts at about 30 degrees north to about 60 degrees north

____ 21. starts at about 60 degrees north and goes to about 90 degrees north

____ 22. move in the direction of hurricanes

____ 23. enter a westerly wind belt and often turn in the direction of a prevailing system.

LIVEWORKSHEETS