

10. Land and sea breezes occur because

- land cools off and heats up faster than water.
- land cools off more slowly than water.
- land heats up more slowly than water.
- water heats up more quickly than land.

11. High pressure systems are usually associated with _____ (pick all that apply)

- bad weather
- fair weather
- turning clockwise
- turning counter clockwise

12. When solar energy comes through the Earth's atmosphere is (pick all that apply)

- absorbed
- reflected
- transmitted
- destroyed

13. The solar energy that comes to the Earth is absorbed by _____ (pick all that apply)

- gases in the atmosphere
- clouds
- the land
- the moon

14. Solar energy that strikes the surface of the Earth heats the _____ more quickly than the _____

- land, water
- water, land
- land, atmosphere
- water, atmosphere

15. Low pressure systems are usually associated with (pick all that apply)

- bad weather
- fair weather
- turning clockwise
- turning counter clockwise

16. The Jet Stream (pick all that apply)

- Fast moving
- Slow moving
- Ribbon of air
- Blows straight from west to east
- Dips and bends
- Made of warm tropic air
- Made of cold polar air
- Wide band of air

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

1. _____

2. _____

3. _____

Matching

- _____ 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.

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