

## Marine Science review for quiz on Air-Sea Interactions

1. What are the four layers of the atmosphere? Name them in order of distance from the surface of the earth.
2. Describe the ozone layer and where it occurs.
3. What percentage of air is oxygen? \_\_\_\_\_ What percentage of air is nitrogen? \_\_\_\_\_
4. What is the tilt of the earth's axis?
5. Explain how seasons occur in each hemisphere. How is the tilt of the Earth and its orbit around the sun through the year relevant to the amount of heating and daylight the surface of the planet receives?
6. What is convection?
7. How does convection relate to air flow over the earth's surface?
8. What happens when an air mass cools causing water vapor to condense?
9. How does the Coriolis Effect influence wind direction in the northern hemisphere?
10. How does the Coriolis Effect influence wind direction in the southern hemisphere?
11. What weather and sea surface conditions are required for formation of hurricanes?
12. When is a tropical storm given a name?
13. What scale does the National Hurricane Center use to identify hurricane intensity? Review the hurricane intensity scales.
14. How does storm intensity affect marine life?
15. What causes the Coriolis effect?

Also, review all vocabulary words for the unit.

