**I. Define**:

Wind-

Anemometer-

Wind-chill factor-

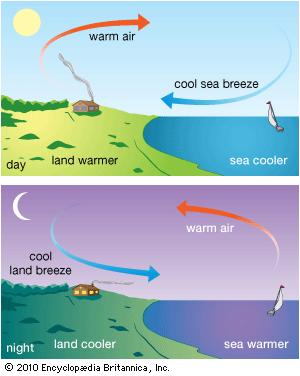
Coriolis Effect-

**II. Explain**:

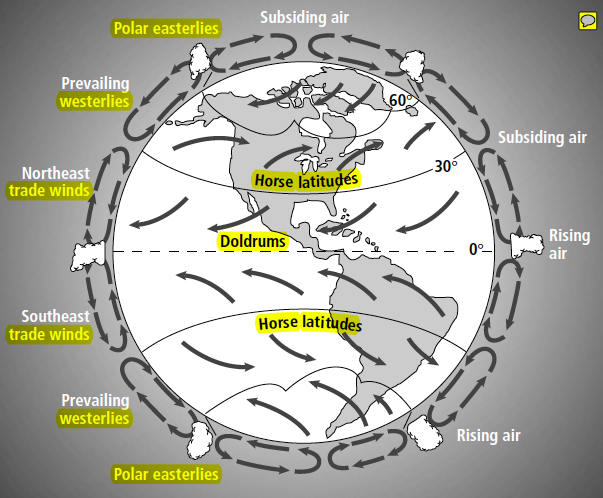
What causes winds?

What is the difference between local winds and global winds?

What is the difference between land breeze and sea breeze?

Label the diagrams:

**III. Global Wind Pattern Questions**

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1. What wind systems move air from about 30\* north or south latitude toward the equator?
2. Describe the movement of air in the huge convection current between 30\* north latitude and the equator.
3. According to the diagram, what forms as a result of rising air at the equator?       How might this account for the formation of tropical rain forests at the equator?
4. What wind systems move air from about 30\* to 60\* north or south latitude?
5. Describe the movement of air in the huge convection current between 30\* and 60\* north latitude.
6. Would you expect high or low air pressure at the poles? Explain your answer.
7. What wind systems move air from about 60\* north or south latitude to the poles?