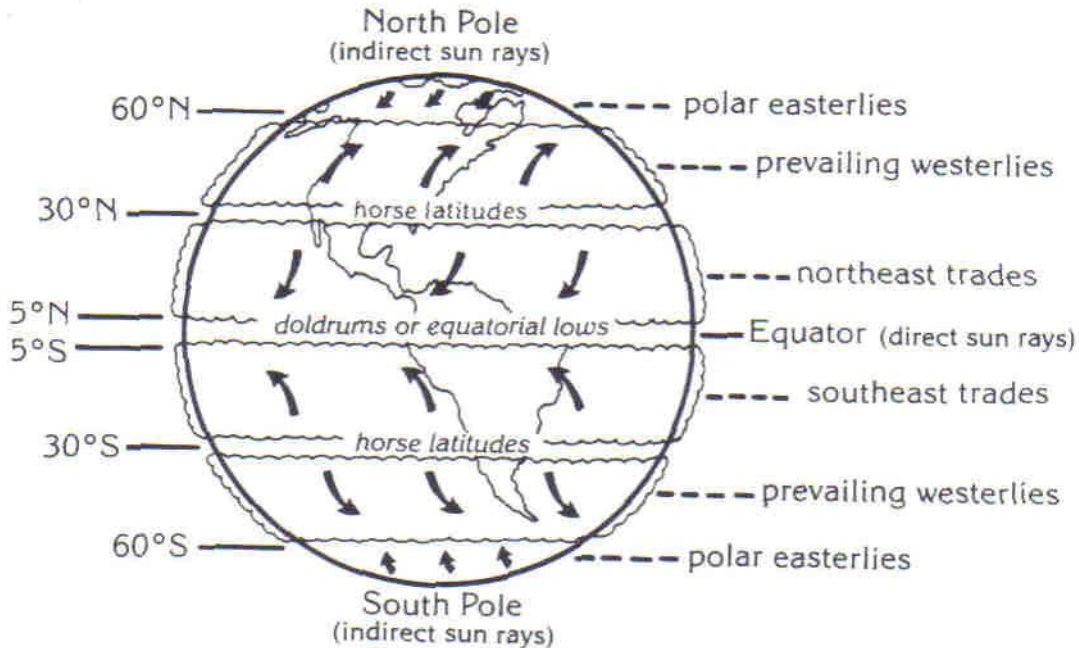
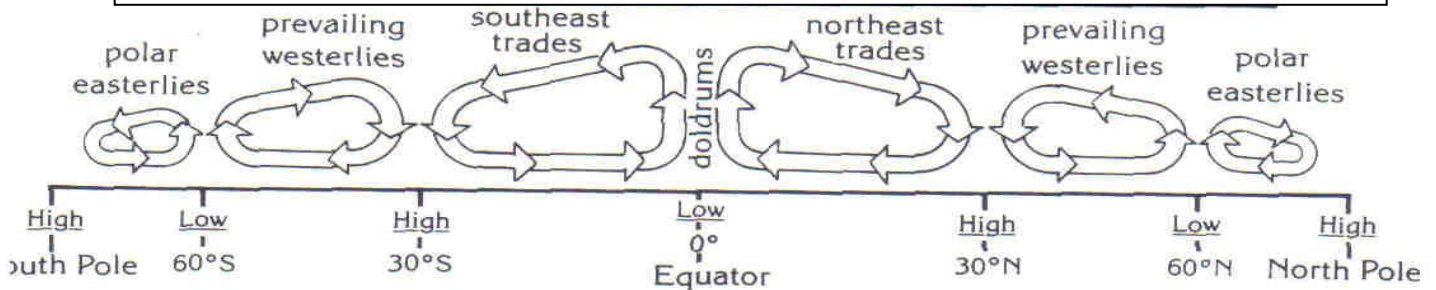


Global Wind System



Due to the Earth's rotation & geographical features, wind currents are deflected & various wind & pressure belts are formed.



The above illustration is a vertical cross section of wind belts from the equator to the North & South poles. **Wind belts** are caused by differences in air temperature and atmospheric pressures.

1. Winds that flow from the horse latitudes toward the polar areas are called: _____
2. The low pressure wind belt located in equatorial regions is called the _____
3. At 30° south of the equator, the pressure belt called the _____ prevails.
4. Air masses at the equator have _____ pressure; air masses at the poles have _____ pressure.
5. About 19° north of the equator, the wind belt called _____ prevails.
6. Name the wind belt that would affect each of the following locations.
 - a. Nome, Alaska - 65°N. latitude _____
 - b. Rio de Janeiro, Brazil - 22°S. latitude _____
 - c. Mexico City, Mexico - 20°N. latitude _____