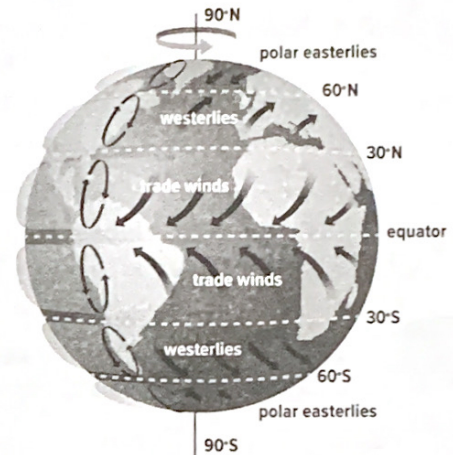


Global Winds and Ocean Currents*Use with textbook pages 301-302.**Use the diagram of Earth's wind systems to answer questions 1 to 4.*

1. In which direction do the trade winds move?

2. What happens to air as it approaches the equator?



3. Which winds affect weather in much of North America? _____
4. Which winds are responsible for moving cold air from the poles toward the equator? _____
5. Use the terms in the box to fill in the blanks in the paragraph below. Some terms may be used more than once.

cold	cool	landmass
warm	westerly	winds

Ocean surface currents are created by _____. In all ocean basins, warm water currents near the equator flow in a _____ direction. When these currents reach a _____, they turn toward the poles. These poleward-flowing waters carry _____, tropical water into high colder latitudes. After these warm waters enter polar regions, they gradually _____. Eventually, they reach a _____ and begin flowing toward the equator. The resulting currents bring _____ water from higher latitudes to tropical regions.