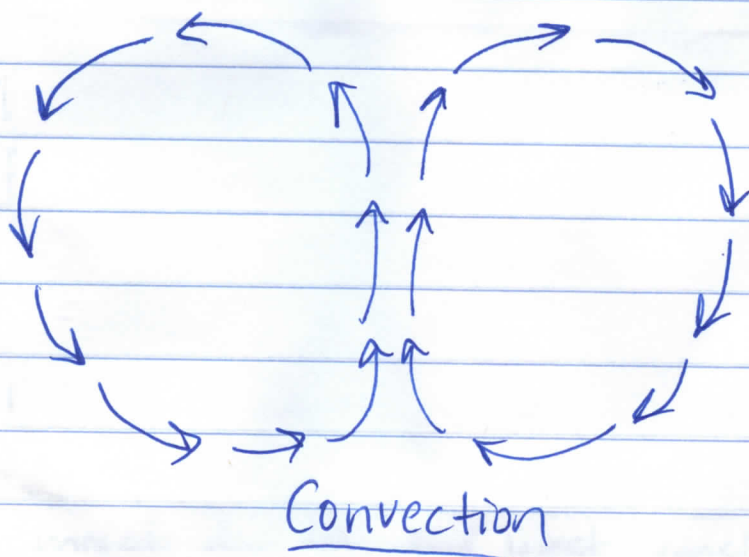


Convection and Global Winds

convection - the transfer of heat through the movement of a gas or liquid.

global winds - a wind that blows in a predictable direction



Heat rises and cools to move the temperatures around.

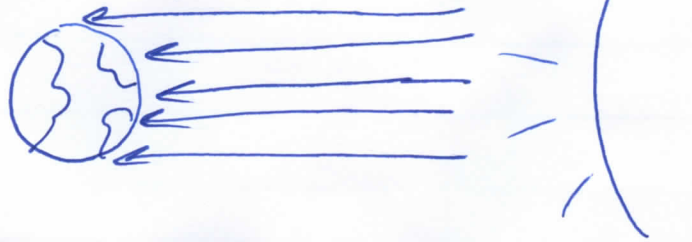
- Our local winds are land and sea breezes, which are affected by the uneven heating of the sea and land.

Uneven Heating

How Air Moves

Global Winds

18
Since the Earth is a
sphere it is heated
unevenly by the sun.



Warm air rises because it is
less dense than cold air.
It cools as it rises, then
sinks because cold air is more
dense than warm air. This causes
winds.



Global winds are predictable
and blow around the entire
Earth.

Examples: Tradewinds and
Prevailing Winds
Jet Streams

