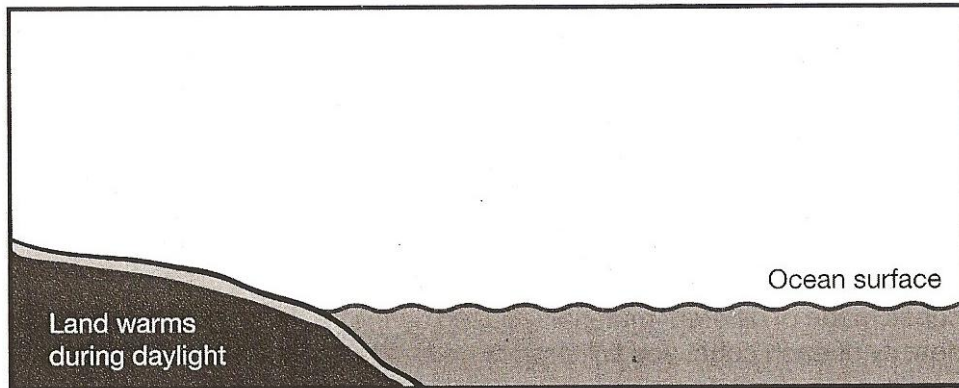


Convection

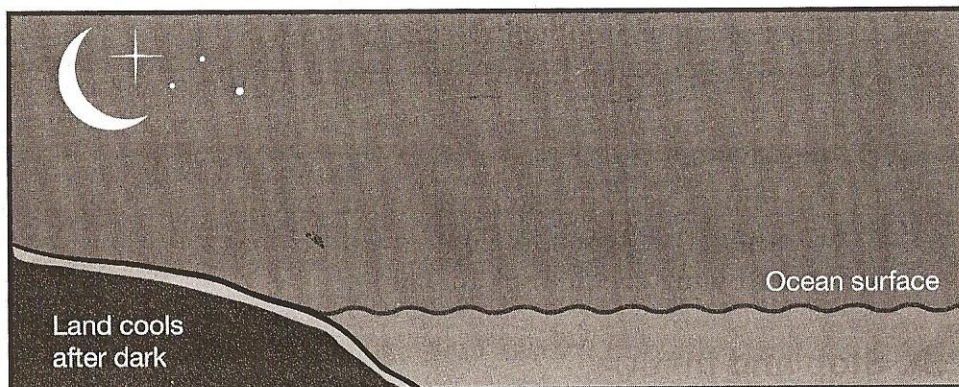
GLE 0607.8.1 Design and conduct an investigation to determine how the sun drives atmospheric convection.

GLE 0607.8.2 Describe how the sun's energy produces the wind.

GLE 0607.Inq.5 Communicate scientific understanding using descriptions, explanations, and models.



A sea breeze is a type of wind commonly found along coastal areas during daytime hours. During the day, the sand of a beach absorbs more heat than the ocean, causing it to become warm. Use arrows to show the daytime sea breeze. Label the location where the air becomes less dense and the location where the air becomes more dense.



A land breeze is a type of wind that is commonly found along coastal areas during the night. During the night the ocean tends to retain more heat than the sand on the beach. Use arrows to draw how convection currents would form the land breeze. Label the location where air becomes less dense and the location where the air becomes more dense.