

Module 11: Meteorology

Topic 3 Content: Breezes Notes



A land breeze occurs at night when the air over land cools more quickly than the air over the water because the water holds onto heat more efficiently. This causes the warmer air over the ocean to rise as the cooler air over lands moves in as a breeze from the land over the ocean.



A sea breeze occurs when the air over the land warms more than the air over the water. The land heats up faster than the water during the day. This occurs because land absorbs heat more efficiently than water. The warmer air over land rises and expands as the cooler air over the ocean moves onto land, creating a breeze from the water towards the land.