

5.17 Sea breezes

Topic: Weather

Subtopic: Climate

Activity type/skill: Reading and drawing information

Literacy focus: Reading

Genre: Explanations

Objective

- Present information in graphic form.

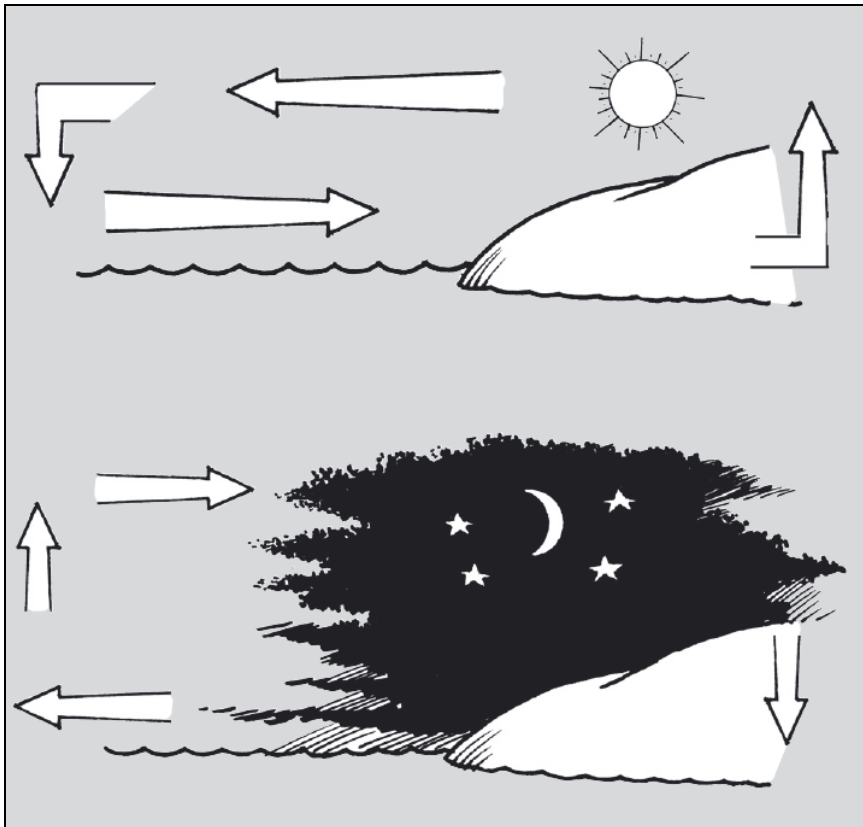
What you need

- Student worksheet (see next page)

What to do

1. Look at the student worksheet and have students read about sea breezes and talk about how land and sea breezes work.
2. Then have them add arrows to complete the diagrams to show circulation patterns.

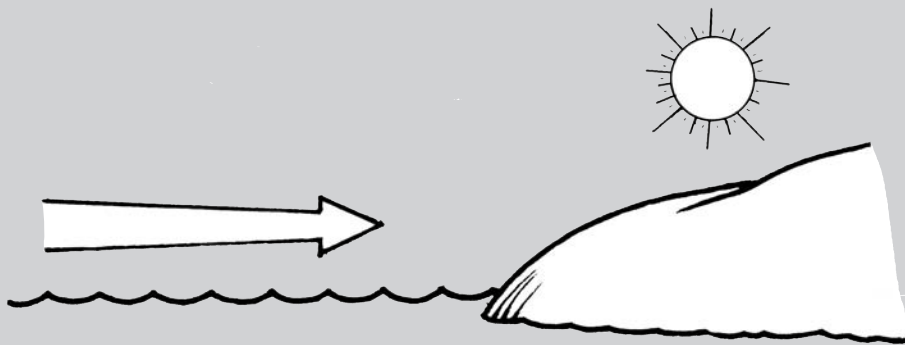
Answers:



Sea breezes

Sea breezes are local winds that blow in coastal areas. The land and the ocean are both heated by the sun, but they warm at different speeds.

During the day, the land heats up faster than the sea. The warm air over the land rises and cooler wind from the sea blows in over the land.



DAY - SEA BREEZE

At night, the land cools down faster than the sea, so the air over the land is cooler than the air over the water. The warm air over the sea rises and the heavier, cooler air from the land flows out over the sea.



NIGHT - LAND BREEZE

