

Chapter 17

Use with Section 2

ENRICHMENT

● Ocean Currents

Currents and Climate

The table below gives information on two of the world's currents. Use it and the map of world currents in your textbook to answer the questions that follow.

| Current | Location | Characteristics |
|------------------|----------------|--|
| Gulf Stream | Atlantic Ocean | warm; flows north; divides into the Caribbean Current and the Antilles Current |
| Labrador Current | Atlantic Ocean | cold; flows south; ends about where it meets the Gulf Stream |

- The coast of Norway is almost always free of ice, even in the winter. Why? _____

- Labrador, in Canada, is farther south than Norway. Labrador's coast is blocked by ice for about six months of the year. Why? _____

- The city of Oslo, Norway, has an average high temperature of -1°C and an average low temperature of -7°C in the winter. The city of Bergen, Norway, has average winter temperatures of 6°C and -3°C . Both cities are at about the same latitude. One city is on the Norwegian coast; the other is inland. A mountain is between them. Which city do you think is on the coast? Why? What effect do you think the mountain has on the temperature of the inland city?

