

Chapter 17

Text Pages 484–489

STUDY GUIDE

● Ocean Currents

Write answers on the lines provided.

1. What currents are influenced by the Coriolis effect? _____
2. Where surface currents carry water away from an area, an upwelling may occur. What is it that “wells up”? What does it carry with it? _____

3. Is the Gulf Stream a surface current or a density current? _____
4. What kind of water movement helps the fishing industry? How? _____

5. Explain how understanding the Gulf Stream helped eighteenth century sailing ships travel more rapidly from America to England. _____

6. Which coasts of continents tend to be warmer, the eastern or the western? Explain. _____

7. On the map below, draw an arrow to represent the Gulf Stream and label it.
8. On the map, draw an arrow representing the South Equatorial Current west of South America and label it.

