

SECTION LOW-PRESSURE SYSTEMS CAN BECOME STORMS.

**3.2 Reading Study Guide A****BIG IDEA** The interaction of air masses causes changes in weather.**KEY CONCEPT** Low-pressure systems can become storms.**Vocabulary****tropical storm** a low-pressure system that starts near the equator and has winds that blow 65 kilometers per hour**hurricane** a tropical low-pressure system with winds blowing at speeds of 120 kilometers per hour or more**storm surge** huge mass of ocean water produced by a hurricane**blizzard** a blinding snowstorm with winds at least 56 km per hour and low temperatures**Review**

1. What kind of weather do low-pressure systems cause?

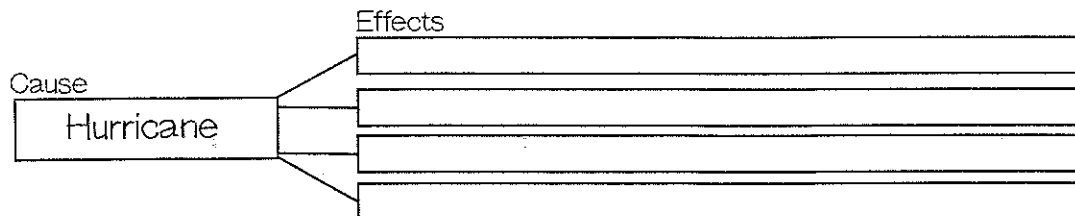
**Take Notes****I. Hurricanes form over warm ocean water. (p. 87)**

2. Compare and contrast tropical storms and hurricanes by filling in the chart.

	Tropical Storms	Hurricanes
Wind speed		
Forms where?		
gets energy from		

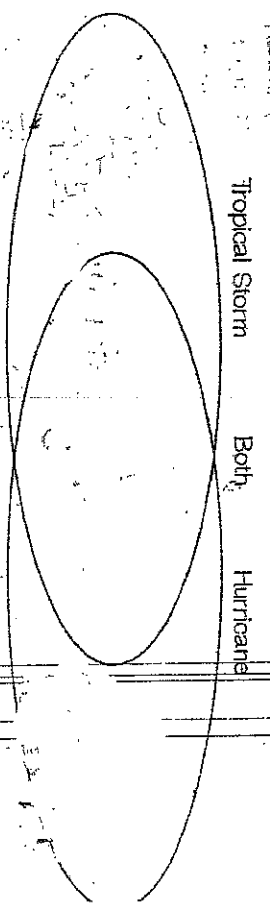
**B. Effects of Hurricanes (p. 89)**

3. Complete the cause-and-effect diagram.



1. Hurricanes form over warm ocean water.

1. Complete the Venn diagram to show how a tropical storm and hurricane are alike and different.



2. Formation of Hurricanes

2. Why do hurricanes strike the eastern United States most often between August and October?

3. Explain a hurricane's movement and where it gains and loses its energy.