

Lesson 5

ANSWER KEYS




Reading Checks

 **READING CHECK Determine Conclusions** Why don't hurricanes form in oceans in northern latitudes of the world?

A hurricane needs warm, moist air to fuel it. Cold ocean waters do not provide enough energy for powerful cyclones to form.

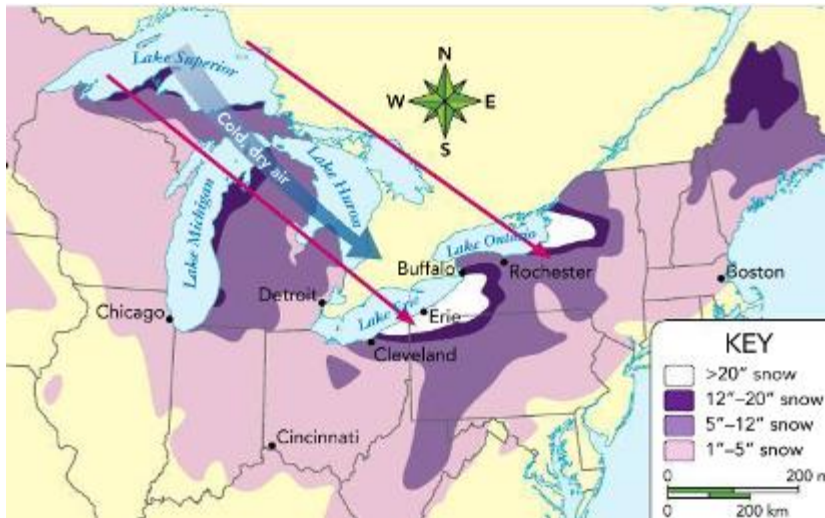
 **READING CHECK Cite Textual Evidence** What are two ways to help prevent floods?

by building dams and levees

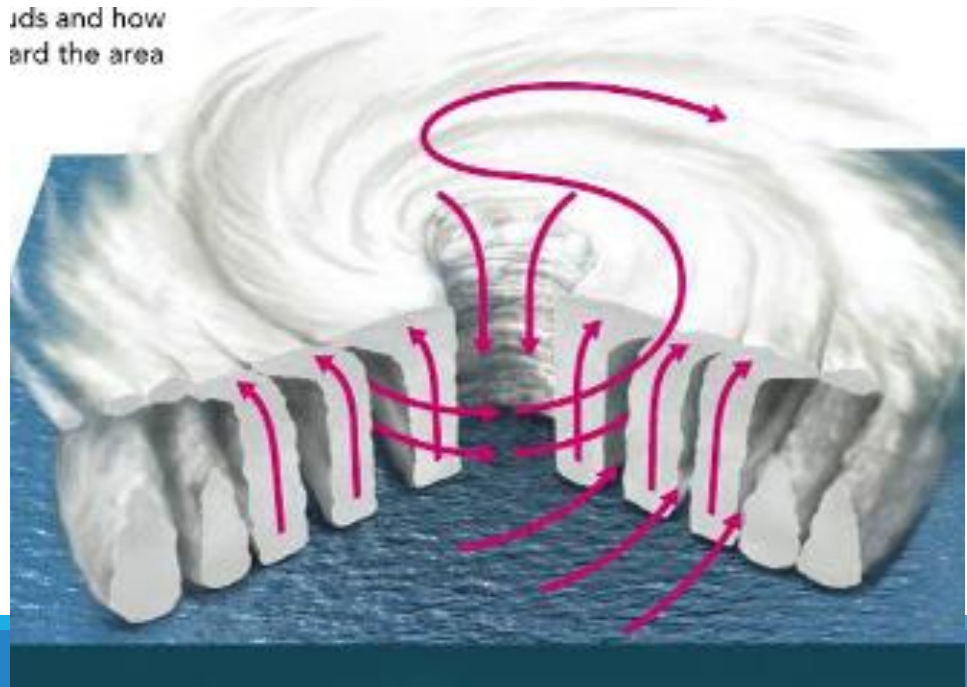
 **READING CHECK Determine Central Ideas** What safety precautions are common to all types of severe weather?

Sample: Find a safe place to be where you are protected from the storm. Pay attention to watches and warnings.

Figure 2 & 4



inds and how
ard the area



Figures 5 & 6

The Path of Hurricane Sandy

Figure 5 This map shows the progress of Hurricane Sandy over the course of several days in 2012. As Sandy made landfall, the hurricane lost strength and became a post-tropical cyclone.

CCC Cause and Effect What do you think caused the storm to turn back toward land and strike the Northeast?

Sample: A change in wind direction could have caused it to change direction.

Fujita Scale	Types of Damage
F0	Branches broken off trees
F1	Mobile homes overturned
F2	Trees uprooted
F3	Roofs torn off
F4	Houses leveled
F5	Houses carried away

Model It!

How Thunderstorms Form

SEP Develop Models  Draw a labeled diagram to show the formation of a thunderstorm.

Diagrams should show a cumulonimbus cloud (thunderhead) and rising warm air and falling cold air within the cloud. Diagrams might contain arrows to show this air movement. Diagrams might also include rain or lightning.