

Sum It Up»

Read the summary statements. Then match each statement with the correct picture.

1

1. During the day, cool, dense air from the ocean moves inland, replacing warm air over the land.

2. A cold air mass moves under a warm air mass.

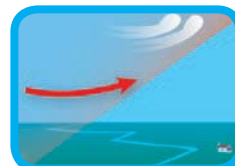
3. During the night, cool, dense air over land moves out to sea, replacing warm air over the ocean.

4. A warm air mass moves gently over a cold air mass.

A



B



C



D



Fill in the Venn diagram about air pressure by writing the correct number in each category.

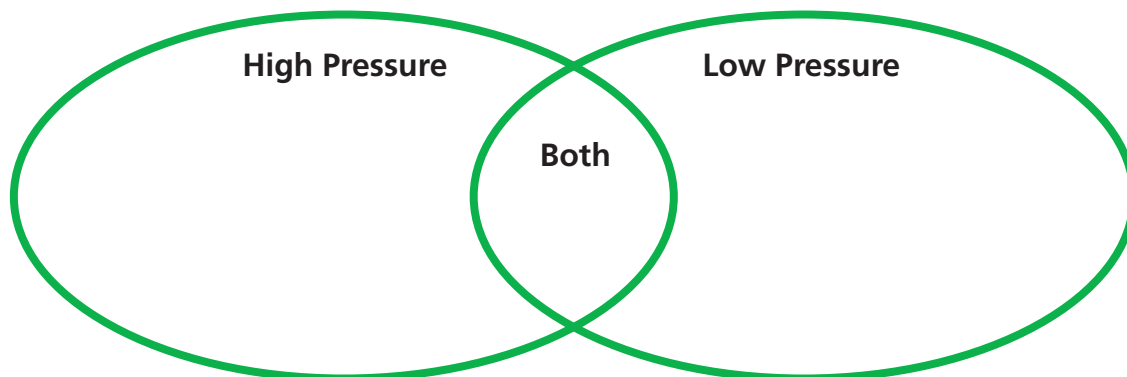
5. Shown as *L* on a weather map

8. Shown as *H* on a weather map

6. Brings fair weather

9. Brings stormy weather

7. Measure of the weight of the atmosphere on Earth's surface





Name _____

Vocabulary Review

1

Draw a line from each term to its definition or description.

1. **wind***

A. Body of air with the same properties throughout

2. sea breeze

B. Structure that houses weather tools

3. **front***

C. Boundary between two different air masses

4. **air mass***

D. Map that shows weather conditions

5. **weather map***

E. Measure of the weight of the atmosphere on Earth's surface

6. weather station

F. Breeze that blows from the sea to the land

7. **air pressure***

G. Moving Air

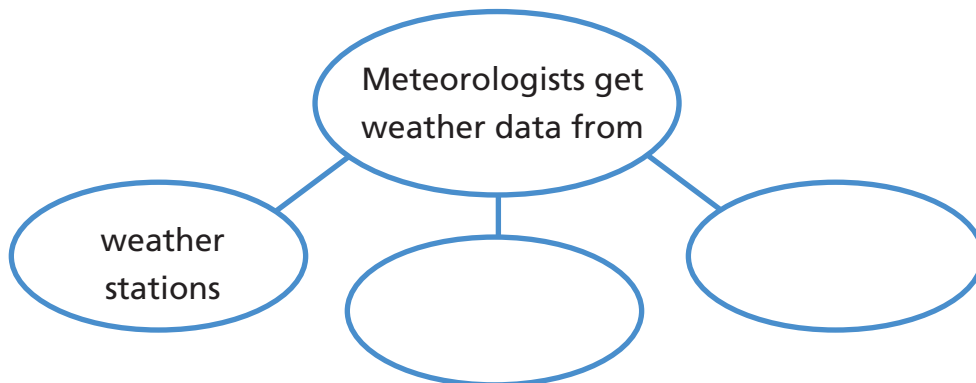
***Key Lesson Vocabulary**

Apply Concepts

- 2** The symbols below show weather data for a place. Write what each symbol stands for. Predict the kind of weather a place near the *H* will have.



- 3** Fill in the graphic organizer below to show how meteorologists get data to predict the weather.



- 4** Label the kinds of severe weather shown in the pictures below.



- 5** Heated air inside a hot-air balloon causes it to rise into the sky. When the air cools, the balloon returns to the ground. When is the hot-air balloon behaving like an air mass in a high-pressure area? In a low-pressure area?

- 6** Label each picture with the type of air mass that would form over it.



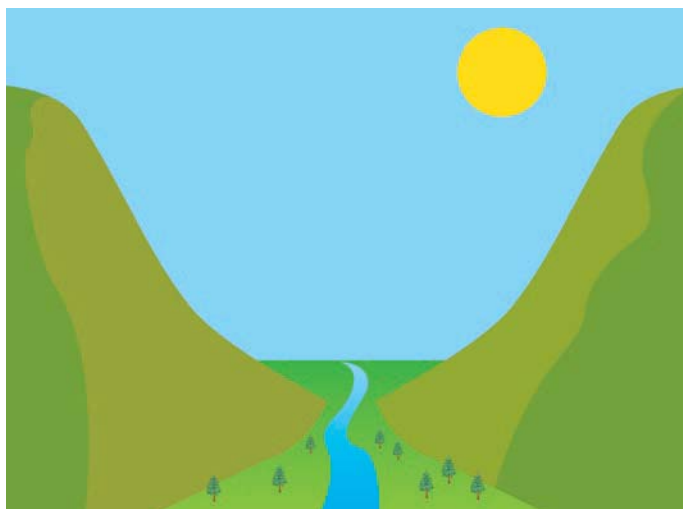






7

Mountain and valley breezes are similar to land and sea breezes. During the day, the sun heats up a mountain's side more quickly than the valley below. In the picture below, draw arrows to show wind direction during the day.



8

Put a check mark (✓) next to each item that should be part of an emergency kit.

Items	Emergency Kit
1. air conditioner	
2. portable radio	
3. electric blanket	
4. bottled water	
5. first-aid supplies	

Take It Home!

Share with your family what you've learned about preparing for bad weather. Work with a family member to make a safety plan. Gather supplies for an emergency kit. Review the plan with family members.