

SECTION
1-2 Air Pressure

(pages 19-21)

KEY CONCEPTS

▲ The air pressure at any particular point on the Earth depends on the density of the air.

■ Building Vocabulary Skills: Defining Terms

In your own words, define each of the following terms. Use complete sentences.

1. Air pressure _____

2. Barometer _____

■ Air Pressure: Reviewing the Main Ideas

Decide how each of the following factors is related to air pressure. Then use arrows to complete the chart. An upward arrow means "increases;" a downward arrow means "decreases."

Factor	Increase or Decrease?	Air Pressure
Density	↓	
Temperature	↑	
Water vapor		↓
Elevation	↑	

■ Highs and Lows: Explaining the Main Ideas

Use your knowledge of air pressure to explain why each of the following situations occurs.

1. A falling barometer is followed by several days of rainy weather.

2. Some people find it hard to breathe at high altitudes.

3. A rising barometer indicates a spell of cool, dry weather.

4. A series of hot, humid days is preceded by a falling barometer.

5. A southern coastal area tends to have lower air pressure than an inland area farther north.

6. Rapidly dropping temperatures are accompanied by a rising barometer.
