

## Science Chapter 8 Review

### Word Bank

atmosphere (p. 242)

air pressure (p. 244)

water cycle (p. 243)

troposphere (p. 246)

stratosphere (p. 246)

ozone (p. 246)

meteorology (p. 250)

jet stream (p. 252)

air mass (p. 254)

cold front (p. 255)

warm front (p. 255)

climate (p. 260)

tropical (p. 262)

polar (p. 262)

temperate (p. 263)

maritime air mass (p. 263)

continental air mass (p. 263)

rain shadow (p. 266)

1. The force of air pressing against everything \_\_\_\_\_
2. The blanket of gases that surrounds some planets \_\_\_\_\_
3. A large body of air with almost the same temperature and moisture \_\_\_\_\_
4. The weather that happens in an area over many years \_\_\_\_\_
5. Occurs when cold air replaces warm air at Earth's surface \_\_\_\_\_
6. An air mass that forms over land and usually has dry air \_\_\_\_\_
7. A high-speed wind that circles around Earth at both polar areas \_\_\_\_\_
8. An air mass that forms over an ocean that usually has wet air \_\_\_\_\_
9. The study of the atmosphere \_\_\_\_\_
10. A gas that can do good or bad things. In the stratosphere it is good and protects Earth against the Sun's harmful rays. In the troposphere, it is pollution and bad. \_\_\_\_\_
11. Climate zones that surround Earth's poles that are cold \_\_\_\_\_
12. An area protected from precipitation by a mountain \_\_\_\_\_
13. The layer of air above the troposphere & where ozone is found \_\_\_\_\_
14. Climate zones that are not as cold as polar zones or as warm as tropical zones and are located between the poles and the equator \_\_\_\_\_
15. Climate zones found along the equator that have warm climates with high temperatures throughout the year \_\_\_\_\_
16. The layer of air we live in, and where weather takes place \_\_\_\_\_
17. Occurs when warm air replaces cooler air at Earth's surface \_\_\_\_\_
18. Water moving from the surface of the Earth to the atmosphere and back again \_\_\_\_\_

Name: \_\_\_\_\_ #: \_\_\_\_\_ Date: \_\_\_\_\_

**Match the clouds with the right label.**

Cirrus

Cumulus

Stratus



**Stratus** clouds bring what type of weather? \_\_\_\_\_

**Cumulus** clouds bring what type of weather? \_\_\_\_\_

**Cirrus** clouds bring what type of weather? \_\_\_\_\_

Explain the difference between **climate** and **weather**. \_\_\_\_\_

Explain the **rain shadow effect**. \_\_\_\_\_

Describe how each of these 5 factors **affect the climate**:

Close/far from the equator - \_\_\_\_\_

Water - \_\_\_\_\_

Air masses - \_\_\_\_\_

Earth's surface features - \_\_\_\_\_

Elevation - \_\_\_\_\_

**I have studied and reviewed using my science journal, textbook, and this review sheet, and I am ready for my test!**

\_\_\_\_\_  
**Student Signature**

\_\_\_\_\_  
**Parent Signature**