

# Unit 4: Atmosphere and Weather Conditions

## Study Guide

Name Key Date \_\_\_\_\_ Bell \_\_\_\_\_

Test Date \_\_\_\_\_

### Atmosphere

1. What are the layers of the atmosphere in order?  
**Troposphere, Stratosphere, Mesosphere, Thermosphere, Exosphere**
2. Which layer do we live in? **Troposphere**
3. Which layer do airplanes fly in? **Troposphere**
4. What layer is the ozone layer located in? **Stratosphere**
5. What are the two most abundant gases in the atmosphere?
6. **Nitrogen and Oxygen**
7. Do the temperatures in the upper stratosphere rise or fall with an increase in altitude? **Increase**
8. Do the temperatures in the mesosphere increase or decrease with altitude?  
**Decrease**
9. What layer is CFC's blamed for destroying? **Ozone Layer**
10. Which rays are considered harmful? **Ultraviolet (UV)**
11. What is air pressure? **Amount of air pressing down on an area**

### Clouds

12. What are the three parts of the water cycle? **Evaporation, Condensation, and Precipitation**
13. What are the four forms of precipitation? **Rain, Sleet, Hail, and Snow**
14. What are the three main cloud types? **Stratus, cumulus, and cirrus**
15. What are the particles that rise to form clouds? **Dust, smoke, and salt**

# Meteorology Study Guide Answer Key

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