

Unit 3: Weather and Climate Quiz

Topic: The Atmosphere (A)

Name \_\_\_\_\_

1. \_\_\_\_\_ protects humans and other life forms on earth from harmful ultraviolet radiation.

2. Define the term 'greenhouse gas'. \_\_\_\_\_  
\_\_\_\_\_

Name two greenhouse gases. \_\_\_\_\_

3. Name the layer of the atmosphere which contains wind, rain, and clouds. \_\_\_\_\_

4. As altitude increases, air pressure \_\_\_\_\_ (decreases or increases) and air temperature \_\_\_\_\_.

5. Name the layer of the atmosphere in which commercial airliners take advantage of fast moving winds called jet streams. \_\_\_\_\_

6. Which gas makes up 21% of our atmosphere? \_\_\_\_\_

3-2.

Topic: The Atmosphere (B)

Name \_\_\_\_\_

1. A greenhouse gas is a gas which absorbs outgoing radiation from the earth causing average temperatures on earth to increase. Name two of the greenhouse gases.

\_\_\_\_\_

2. The turbulent layer of the atmosphere which contains clouds, wind, and rain is called the

\_\_\_\_\_.

3. Define ozone layer.

\_\_\_\_\_

\_\_\_\_\_

4. Define insolation.

\_\_\_\_\_

5. Water vapour enters the atmosphere through the process of \_\_\_\_\_.

6. How is our atmosphere heated?

\_\_\_\_\_

\_\_\_\_\_

7. Name the layer of the atmosphere in which fast moving upper atmosphere air allows commercial airliners to save fuel as they fly west to east. \_\_\_\_\_

8. Which gas makes up 78% of our atmosphere? \_\_\_\_\_