

Name: _____

Subject: Social Studies:

Topic: The atmosphere protects us

Read the following carefully, then select the correct answer.

1. The Earth is surrounded by several layers known as the

- (a) Mesosphere
- (b) Troposphere
- (c) Atmosphere
- (d) Exosphere



2. Describe what would happen if the blanket of air that hold Earth together by the force of gravity did not exist?

- (a) No air and all living things die
- (b) Windy all day and crops die
- (c) Earth would be extremely cold
- (d) Windy and rainy all year round

3. Choose which **TWO** gases are formed when fossil fuels are burnt?

- (a) Oxygen
- (b) Sulfur
- (c) Carbon dioxide
- (d) Nitrogen

4. Decipher if the following statement is **true** or **false**: 'Polluted air from factories remains in the atmosphere and do not disappear.' **Type** your answer on the line provided: _____

5. What is the name given to the process whereby plants are able to produce their own food?

- (a) Osmosis
- (b) Pollination
- (c) Photosynthesis
- (d) Fertilization

6. **Draw a line to join** each definition with the correct vocabulary word.

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|---|-------------------|
| (a) the presence in or introduction into the environment of a substance which has harmful or poisonous effects. | atmosphere |
| | ozone layer |
| (b) the process by which the Sun's energy is trapped by the atmosphere, naturally warming the Earth. | pollution |
| | greenhouse effect |
| (c) a layer of Earth's atmosphere that absorbs most of the ultraviolet light from the sun. | acid rain |

7. Explain how walking or riding a bicycle to school help to keep the atmosphere clean?

8. Explain the harmful effects acid rain has on the environment.
