

Matching: Review of Air Pollution

Directions: Write a word or phrase to answer each question below.

	Description	Term Choices
1	the primary air pollutant formed by the incomplete combustion of coal	carbon dioxide
2	the primary air pollutant formed by fossil fuel combustion and which contributes to global warming	photochemical smog
3	the primary air pollutant emitted by the burning of oil and coal, by volcanoes, and by some industrial processes	carbon monoxide
4	the primary air pollutants involved in destruction of the ozone layer	lead
5	the secondary air pollutant that forms when nitrogen oxides and VOCs react with sunlight to produce polluted air	ozone
6	the secondary air pollutant formed by the reaction of sulfur dioxide and smoke	sulfur dioxide
7	the secondary air pollutant that is considered bad at ground-level but good in the upper atmosphere	smog
8	the toxic metal that was once a major component of gasoline	chlorofluorocarbons

Answers

1. carbon monoxide

Coal combustion creates carbon monoxide.

2. carbon dioxide

Carbon dioxide is the byproduct of the burning of fossil fuels.

3. sulfur dioxide

Sulfur dioxide is a common byproduct of volcanoes and industrial processes.

4. chlorofluorocarbons

CFCs are the primary destructors of the ozone layer.

5. photochemical smog

Photochemical smog forms when nitrogen oxides and VOCs react with sunlight.

6. smog

Smog is a secondary air pollutant and is a combination of sulfur dioxide and smoke.

7. ozone

Ozone is dangerous on the surface but helps block harmful UV radiation in the upper atmosphere.

8. lead

Lead was once a major component of gasoline.