



Name _____ Class _____ Date _____

1 Any **waste substance** that is added to a natural system in amounts **greater than** that natural system can **break it down** or eliminate it is called a(n) _____.

- A element
- B pollutant
- C compost
- D additive



2 Which of the following is not a form of pollution created by the **burning of fossil fuels**?

- A acid precipitation
- B smog
- C oil slicks
- D acidification of ponds



3 **Acid precipitation** is created when water in the atmosphere combines with _____ produced when coal, oil, or gas is burned.

- A carbon dioxide
- B carbon monoxide
- C sulfur dioxide
- D ash



4 Which of the following would be considered a **primary pollutant**?

- A ash from a volcanic eruption
- B acid precipitation
- C smog



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- A carbon dioxide
- B oil spills, sludge, acid rain
- C smoke from a forest fire, ozone, smog
- D ozone, fog, acid rain

- B it alters the pond's pH to a deadly level
- C it kills their food, then they starve to death
- D the acid reacts with lime and creates high levels of carbon dioxide

9

A power plant was built in a particularly **windy location** to assure that the pollution created would be **blown away**, thereby reducing the acid precipitation in that **region**. What is the **problem** with this plan?

- A It will not be windy every day.
- B Acid precipitation always forms near the source of the pollution.
- C Winds blowing the pollution elsewhere will cause acid precipitation in the environment downwind.
- D It is a sound plan with proven positive results.



10

Who are **most vulnerable** to the effects of air pollution?

- A the elderly and young children
- B those with lung problems and allergies
- C those with heart problems
- D all of the above





ANSWER KEY

Any **waste substance** that is added to a natural system in amounts **greater than** that natural system can **break it down** or eliminate it is called a(n) _____.

- A element
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(b)

Which of the following is not a form of pollution created by the **burning of fossil fuels**?

- A acid precipitation
- B smog
- C oil slicks
- D acidification of ponds



(c)

Acid precipitation is created when water in the atmosphere combines with _____ produced when coal, oil, or gas is burned.

- A carbon dioxide
- B carbon monoxide
- C sulfur dioxide
- D ash



(c)

Which of the following would be considered a **primary pollutant**?

- A ash from a volcanic eruption
- B acid precipitation
- C smog
- D ozone accumulation



(a)



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- C smoke from a forest fire, ozone, smog
- D ozone, fog, acid rain

- C it kills their food, then they starve to death
- D the acid reacts with lime and creates high levels of carbon dioxide

A power plant was built in a particularly **windy location** to assure that the pollution created would be **blown away**, thereby reducing the acid precipitation in that **region**. What is the **problem** with this plan?

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(c)

Who are **most vulnerable** to the effects of air pollution?

- A the elderly and young children
- B those with lung problems and allergies
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- D all of the above



(d)