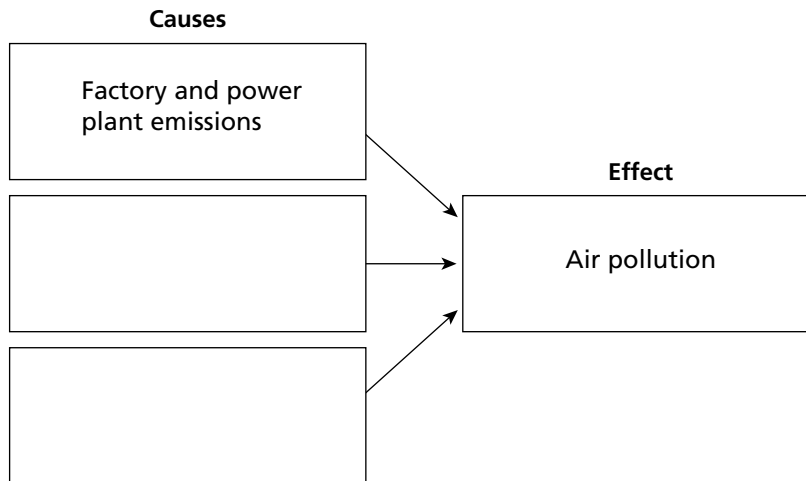


**Land, Water, and Air Resources** ▪ *Guided Reading and Study***Air Pollution and Solutions**

*This section describes how air becomes polluted and explains how air pollution causes acid rain.*

**Use Target Reading Skills**

*As you read, identify three causes of air pollution. Write the information in the graphic organizer below.*



1. Pollutants that are released into the air are called \_\_\_\_\_.
2. What is the largest source of emissions that cause air pollution today?  
\_\_\_\_\_
3. Name one natural cause of air pollution.  
\_\_\_\_\_

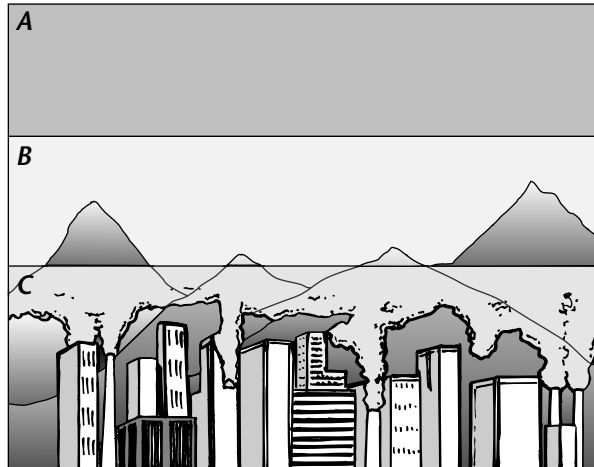
**Smog**

4. A thick brownish haze formed when certain gases in the air react with sunlight is called \_\_\_\_\_.
5. Is the following sentence true or false? The major sources of photochemical smog are the gases emitted by factories.  
\_\_\_\_\_
6. What is the major chemical found in smog?  
\_\_\_\_\_
7. What is a temperature inversion? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Land, Water, and Air Resources** ▪ *Guided Reading and Study*

**Air Pollution and Solutions** *(continued)*

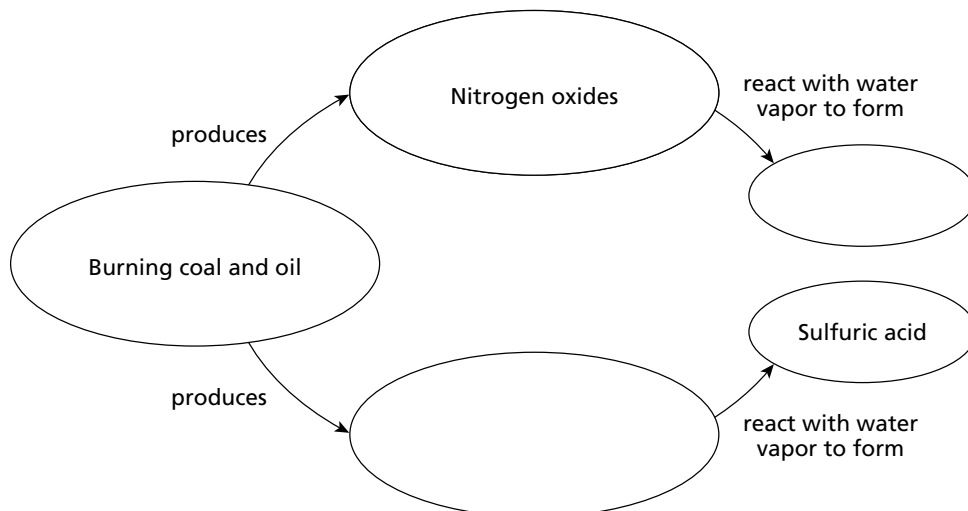
8. Which layer of air shown in the drawing below is the warmest during a temperature inversion? \_\_\_\_\_



9. Why does a temperature inversion make smog more concentrated and dangerous? \_\_\_\_\_  
\_\_\_\_\_
10. What are the health effects of smog? \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Acid Rain**

11. Precipitation that is more acidic than normal because of air pollution is called \_\_\_\_\_.
12. Complete the flowchart to show how acid rain forms.



**Land, Water, and Air Resources** ▪ *Guided Reading and Study*

13. What are the effects of acid rain?

---

---

---

---

**Indoor Air Pollution**

14. What substances cause indoor air pollution?

---

---

---

15. Circle the letter of each sentence that is true about carbon monoxide.

- a. It is colorless and odorless.
- b. It forms in rocks underground.
- c. It is harmless to people.
- d. It cannot be detected.

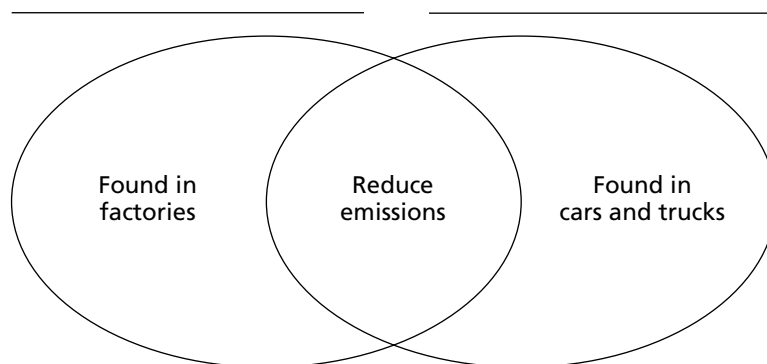
16. Circle the letter of each sentence that is true about radon.

- a. It is colorless and odorless.
- b. It is caused by incomplete burning.
- c. It may cause cancer.
- d. It is radioactive.

**Reducing Air Pollution**

17. The key to reducing air pollution is to control \_\_\_\_\_.

18. Complete the Venn diagram.



19. Why does using less energy reduce air pollution?

---

---