

Chapter 6  
Lesson 4  
Air and Water

1. **Reservoir** - an artificial lake that is built to store water (fresh water)
2. **Aquifer** - an underground layer of rock or soil filled with water
3. **Smog** - air pollution that is caused by particles that are produced when fossil fuels are burned
4. **Ozone** - a form of oxygen that protects living things on Earth's surface from the Sun's dangerous radiation
5. How is water used?  
Water is used in daily activities by farmers, factories, and homeowners. Washing hands, taking a shower or bath, laundry, toilet, drink, washing dishes, watering plants or lawn, brushing teeth, pool
6. How is water polluted?  
Water is polluted when wastes and chemicals get into the water.
7. Why do farmers and homeowners use products that can contaminate freshwater?  
The products that can contaminate freshwater serve other purposes. For example, farmers may use chemicals to kill bugs that might harm their crops. Homeowners might use chemicals to keep their houses clean and free of bugs and

rodents. These chemicals may be harmful to the water, but help the homeowner or farmer.

8. What can you do to conserve water?

We can conserve water by taking shorter showers, turn off water when you aren't using it, wash dishes by hand, make sure the dishwasher is full when you use it, fix leaking pipes/faucet, wash full loads of clothes, and grow plants that don't require a lot of water.

9. How is air pollution produced?

Air pollution is produced from burning fossil fuels or trash, activity at construction sites, and chemicals from factories.

10. What can be done to improve the quality of air?

We can reduce the number of pollutants released into the air. We can reduce air pollution by using alternative energy sources such as solar power, hydroelectric power, and wind power instead of burning fossil fuels.