1. Cultural services, provisional services, regulatory services, and supporting services.

2. We use cultural services to rest and relax or learn more about the world around us. Cultural services give meaning to life and help our wellness.

3. Biodiversity is beneficial to an ecosystem because they all help in different ways. One example is in the coral reef fish eat algae so the coral does not compete for resources with the algae.

4. To conserve water you could put a plastic bottle in your toilet tank. Take shorter showers. Install water-saving shower heads or flow restrictors. Take baths instead of showers. Turn off the water while brushing your teeth. Turn off the water while shaving. Finally, you could stop leaks in your sinks by fixing them if they are broken.

5. Supporting services cycle resources such as water, nutrients, gasses, and soil throughout the ecosystem. Supporting services are important because these include provisioning services such as food and water. Regulating services such as a flood and disease control cultural services such as recreational and cultural benefits and supporting services such as nutrient cycling maintain the conditions for life in the world.

6. Oysters are more efficient at filtering water because twenty oysters filter about 3,000 liters of water per day.

7. Aside from bivalves, microscopic animals such as rotifers can be used to purify water. They feed on organic waste or detritus, dead bacteria, algae, and protozoa. They are often mixed with water in sewage treatment plants and fish tanks in order to clean the water and to prevent the accumulation of waste.

8. To correct this problem you could make the hog poop into an energy source to power the farm and electricity. It would also clean the river so the river wouldn't smell bad anymore. I would make it an energy source by turning into a biofuel.