



Water Supply System

Brainstorm and write your answers on a separate sheet of paper.

1. Think of all the things you do during a regular school day, from the time you wake up until the time you go to sleep. List each activity that involves water. Are there any activities you could eliminate for a day? A week? Longer?

Think of your town; what other activities take place that use water? Could any of these activities be eliminated?

2. During a dry summer, have you ever heard a public announcement that “water conservation measures are in effect”? What activities are affected by this announcement?

Imagine a summer drought continuing for years; how could water be conserved for people? Animals? Crops? Businesses?

3. Research Mars facts. Where is the water on Mars and in what form or forms does it exist?

Identify and write down four “Mars Facts” that impact the design of a Water Supply System.

- 1.
- 2.
- 3.
- 4.

4. Design a Water Supply System for the Mars **colony**. Be sure to decide what roles, if any, the following will play: recycling of materials, biodegradable materials, the planet Mars outside the constructed settlement. You may want to sketch a blueprint showing how your design will look and how it will work.

