THE IMPORTANCE OF WATER

1. Make a pie graph of the Earth’s water.
   a) What percent of the Earth’s water supply is salt water?

 b) What percent of the Earth’s water supply is ice?

 c) What percent of the Earth’s water supply is drinkable fresh water? How much of the world’s fresh water does Canada have?

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2. List examples of solutions that have water as the solvent that humans used on a daily basis.

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3. Our lakes, once sources of clean water, now contain hundreds of dissolved substances. Where do these substances come from?

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4. Give examples of substances that either dissolve or settle in water (see Figure 1).

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Think About it!

5. What problems do industries and municipalities that dump pollutants directly into lakes and rivers cause? Think of at least 5 problems that can affect humans and/or the environment.

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6. Water has been slowly dripping into a cup since the beginning of class.

   How much water is in the cup? ______________

   How long did it take to fill this amount? ______________

   Calculate how much water this leaky tap would waste:

   • in a day
   • in a week
   • in a year