

## Science through asking Why

A great way to learn about science is to observe something, and then ask why several times. Here's an example:

- What: You see a big spider web in your front yard
- Why 1? A spider built the spider web
  - Why 2? A spider uses the web to catch bugs
  - Why 3? Spiders eat bugs
  - Why 4? There are lots of bugs to eat
  - Why 5? Bugs lay lots and lots of eggs

Here's another example.

- What: Your parents turn on the shower and hot water comes out
- Why 1? There is hot water in the pipes
  - Why 2? The water heater heated the water
  - Why 3? Electric heaters are inside the water heater
  - Why 4? Electricity goes to the water heater
  - Why 5: Electricity is made at hydro-electric dams

As you can see, there are a lot of ways you could have answered why. For example, you may have a gas hot water heater and your answers would be different. By simply asking why several times, it's amazing what you can discover.

Now, you try it. See if you can answer the five why's below:

What: You are outside at recess and it starts raining

Why 1?

A rain cloud comes out of the clouds

Why 2?

The cloud dissolves

Why 3?

The kids have indoor recess

Why 4?

The kids go back to what they were doing

Why 5?

The kids go home

For a possible answer, see [www.FreeRCA.com](http://www.FreeRCA.com) and see the "For Children" tab.