

LESSON 5
How Much Did It Rain?
How can you measure how much it rained?
What could happen if a lot of rain fell in a short period of time?
4.5

Rain gauge is a container put outside to catch the rain.

Feb 9-1:30 PM

Cause and effect of a Flood
Lots & lots of rain. Storm drains get full, ground gets too full of water & can't hold anymore. Too much water kills plants. Living things can drown. Buildings flood so people & animals can't live there. People get sick from dirty drinking & wash water.

Feb 11-6:52 AM

Cause and effect of a Drought
Lack of moisture in the air makes weeks or months of NO Rain. Rivers & lakes dry up. Living things don't get the water they need to live. Ground dries up. Farms & gardens have trouble growing food.

Feb 11-6:52 AM

5. What effects do drought and flooding have on an area?
Floods make water get too high, plants get too much water, animals may drown, humans have to move to higher ground, there may be damage to buildings.
Drought dries up rivers and lakes, plants and animals do not get enough water, farmers have trouble growing food, well water dries up.
Page 16. Describe the height of the water and the volume of the water in your investigation. Explain why this happened.
The height of the water was the same in both containers because it rained for the same amount of time. So the tall, skinny container had 13 mm of water and so did the short, fat container. Or they were very close to the same measurement.

Feb 12-7:11 AM

The volume of water though was very different. The tall container had the same height of water over a small base so it held less total water. The short fat container had the same height of water over a large base so there was much more total water in it.

3. What do you think would happen if you repeated the investigation with two different sizes and shapes of containers?
The results should be the same: the height of the water would be the same for both containers but the volume would be more in the container that is bigger around. It is catching more total water.

4. Why is the quantity of rainfall included in weather reports?
So you know what to wear for the day. Do you need an umbrella or boots? Will we get sprinkled on or are we expecting several inches of rain and I need to worry about my basement getting wet. Are we getting a snow flurry or inches of snow, I don't have to worry about a flurry but if it is several inches I may not want to leave home.

Nov 17-5:06 PM



Nov 17-5:12 PM