**Investigating Volume** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Page 23

1. Fill up one box with the 1-inch cubes.
2. How many 1-inch cubes does it take to fill up/make up the length of the box? \_\_\_\_\_\_
3. How many 1-inch cubes does it take to fill up/make up the width of the box? \_\_\_\_\_\_
4. How many 1-inch cubes does it take to fill up/make up the height of the box? \_\_\_\_\_\_
5. Count the number of 1-inch cubes it takes to fill the box. Write down the total number of cubes. \_\_\_\_\_\_
6. Write this formula for finding volume:

V = L x W x H

(Volume = Length x Width x Height)

1. Use a ruler to measure (in inches) the length, width, and height of the box.

L = \_\_\_\_\_\_ W = \_\_\_\_\_\_\_ H = \_\_\_\_\_\_\_

1. Multiply the length by the width by the height.
2. What is your answer for the volume of the box? \_\_\_\_\_\_
3. Is your answer to #5 the same as your answer to #9? \_\_\_\_\_\_
4. Does that mean the volume is the amount of cubes it takes to fill a box? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. From your article what is the definition of volume in your own words. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. What is another way to find volume?

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<http://www.educationworld.com/a_tsl/archives/06-1/lesson015.shtml#sthash.yn5qVwVN.dpuf>