Exploring Density

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Density is _____

A. Mass of bolt = _____

1. In what unit did you measure the mass? _____

C.

Volume of water in mL	Volume of water with bolt in mL	Show work to find the difference	Volume of bolt in cm^3
Mass of bolt in g	**Volume of bolt in cm^3**	**Show work to find density**	**Density of bolt in g/cm^3**

E. Write your plan for measuring the density of a wooden dowel:

I will need these materials: _____

_____

First _____

_____

Then _____

_____

Next _____

_____

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Record your data here:

Volume of water in mL	Volume of water with dowel in mL	Show work to find the difference	Volume of dowel in cm^3
Mass of dowel in g	**Volume of dowel in cm^3**	**Show work to find density**	**Density of dowel in g/cm^3**

Conclusions:

2. What is the bolt's density? _____

3. Is the bolt's density greater than or less than the density of water?

_____

How do you know? (Use numbers to support your answer.) _____

_____

_____

4. When working with the dowel, what did you have to differently than when you worked with the bolt?

_____

_____

_____

_____