

Name: _____

Date: _____

Conclusions from Today's Lab Work

1. What is density? _____

2. What is the equation that describes the relationship between mass, density, volume?

3. Which substance did you think would have the highest density? Why? _____

4. Which substance did you think would be the least dense? Why? _____

5. Were you correct? Why or why not? _____

Use the relationship from Question 2 to answer the following 3 questions.

1. The average apple has a mass of 100 g. One apple has a volume of about 156 cm^3 . Find the density of an apple.

2. An average red clay brick weighs about 2.5 kg. The density of that same brick is about 1922 kg/m^3 . Find the volume of the brick.

3. The volume of a penny is 0.442 cm^3 , which means the density is 5.66 g/cm^3 . Find the mass of the penny.