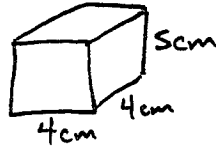


Name _____
Date _____
Hour _____

Measuring Matter



1. What is the volume of the solid in the figure above? **Show your work!** Be sure to use correct units of measurement.
2. Assume the solid above has a mass of 300g. What is the density of the solid? **Show your work!** Be sure to use correct units of measurement.
3. Would the above solid have a mass of 300g on the moon? Would it have the same weight on Earth as on the moon? Explain your answers.
4. A solid sinks to the bottom when you put it in a container filled with water. What does that tell you about its density?
5. A measure of the force of gravity on an object is called _____.
6. _____ True or False; you weigh more on the moon than you do on Earth.
7. What is mass?
8. Why do scientists prefer to describe matter by its mass rather than its weight?
9. What system of units do scientists use to measure the properties of matter?

10. The amount of space that matter occupies is called its _____.

11. What formula do you use to find the volume of a rectangular object?

12. How do you find the volume of an irregular object?