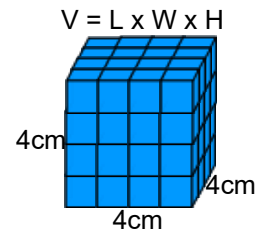


Warm Up

1. The density of the block is 85 g/cm^3 . The volume can be found by looking at the block to the right. Calculate the mass.

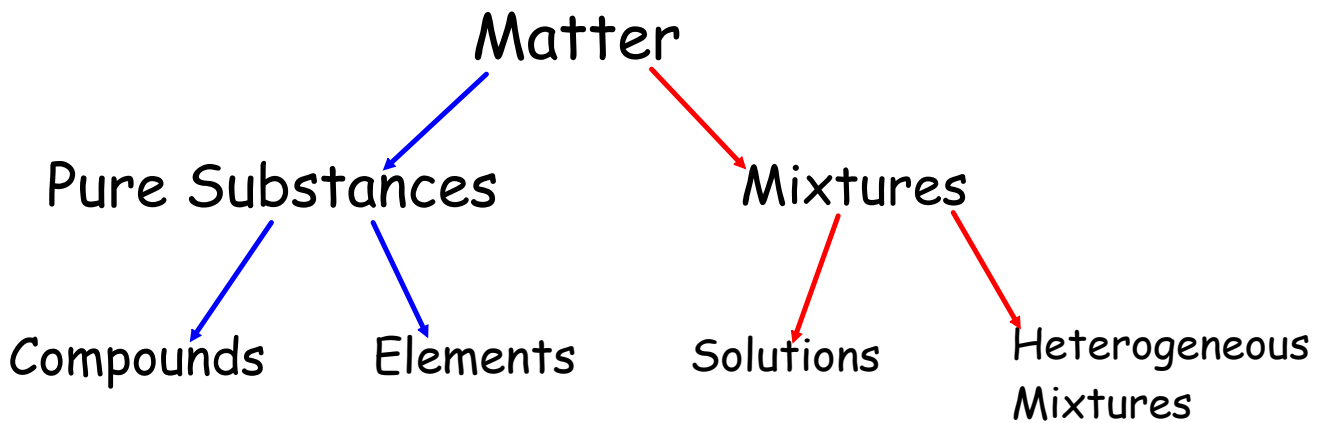


2. The weight of water in a glass is 70 grams. The volume of the water is 70 cm^3 . What is the density?

Particle Theory - Pg 44 - 47

Answer the questions below
using complete sentences


1. What are the four principles of particle theory. Draw a picture to illustrate each one. Also, write each rule.
2. What is the difference between a pure substance and a mixture? Give 2 examples of each.
3. Mixtures can be broken down into two sub-categories. What are they and how are they different from each other?
4. Pure substances can be broken down into two sub-categories. What are they and how are they different from each other?
5. Make a chart that includes the following terms: Matter, pure substance, mixture, solution, heterogeneous mixture, element and compound




Elements - Cannot be broken down
(only one kind of atom)

Compounds - Can be broken down
(two or more types of atoms)

NOTE: A pure substance can
ONLY be separated chemically

Solutions - homogeneous mixture "seems as one" It only has one visible phase. (Ex. )

Heterogeneous Mixture - You see two or more phases or visible parts. (Ex. )