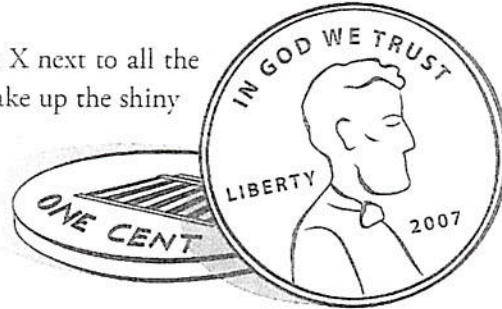


Pennies

A shiny new penny is made up of atoms. Put an X next to all the things on the list that describe the atoms that make up the shiny new penny.



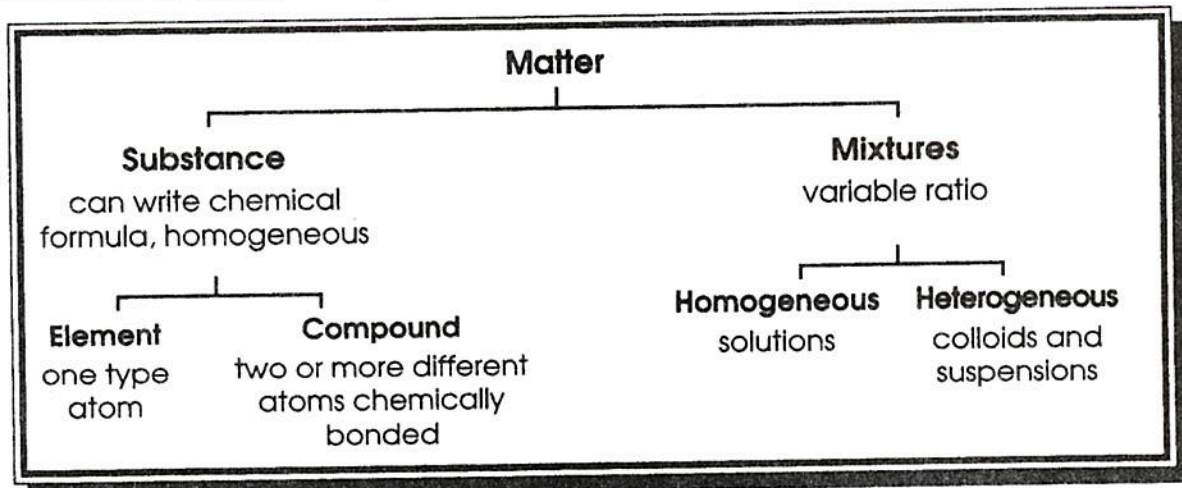
- hard
- soft
- solid
- copper-colored
- very small
- has mass
- always moving
- do not move
- cold
- warm
- shiny
- dull
- made of smaller particles
- contains mostly empty space

Describe your thinking about the atoms that make up the penny. Explain why you selected the things on the list as ways to describe atoms.

MATTER—SUBSTANCES VS. MIXTURES

Name _____

All matter can be classified as either a substance (element or compound) or a mixture (heterogeneous or homogeneous).



Classify each of the following as to whether it is a substance or a mixture. If it is a substance, write Element or Compound in the substance column. If it is a mixture, write Heterogeneous or Homogeneous in the mixture column.

Type of Matter	Substance	Mixture
1. chlorine		
2. water		
3. soil		
4. sugar water		
5. oxygen		
6. carbon dioxide		
7. rocky road ice cream		
8. alcohol		
9. pure air		
10. iron		