



Name _____

Hour _____

Are You Nuts?

Question: How are chemical substances classified?

Investigation

1. Examine the bags of hardware (do NOT open the bags)
2. Divide the bags into 3 or more groups based on what you observe.
3. Explain what *properties* you used to divide the bags into groups without using the names of the type of hardware.

Group 1	Group 2	Group 3	Group 4
Letters in this group	Letters in this group	Letters in this group	Letters in this group
Properties of this group	Properties of this group	Properties of this group	Properties of this group

Knowledge Probe: Read the article on Pure Substances and Mixtures.

Based on what you learned in the article, fill in the table below to describe the contents of each bag. Check every box that applies.

	Element	Molecule	Pure Substance	Mixture
A				
B				
C				
D				
E				
F				
G				
H				
I				