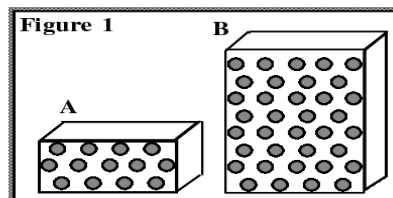


Density Particle Diagram Worksheet  
NAHS Chemistry

Name \_\_\_\_\_  
Date \_\_\_\_\_ Per \_\_\_\_\_

1. In Figure 1, each dot represents a particle and particles of the same size have the same mass.

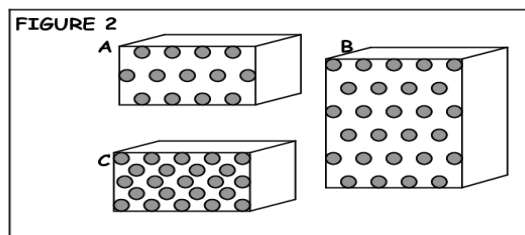
- In the table below, show how the masses, volumes, and densities of A and B compare by adding the symbol  $<$ ,  $>$ , or  $=$  to the statement in the second column.
- Explain your reasoning for each answer in the last column.



Property	Relationship	Reasoning
Mass	A ____ B	
Volume	A ____ B	
Density	A ____ B	

2. In Figure 2, each dot represents a particle of and particles of the same size have the same mass.

- In the table below show how the masses, volumes, and densities compare by adding the symbol  $<$ ,  $>$ , or  $=$  to the statement in the second column.
- Explain your reasoning for each answer in the last column.



Property	Relationship	Reasoning
Mass	A ____ C	
	B ____ C	
Volume	A ____ C	
	B ____ C	
Density	A ____ C	
	B ____ C	