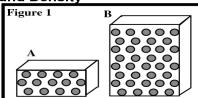
Name _.			
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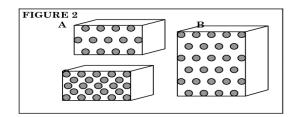
Chemistry – Unit 1 Worksheet 3 Mass, Volume, and Density 1. Study the matter shown in Figure 1. Each dot Figure 1 B Figure 1

- 1. Study the matter shown in Figure 1. Each dot represents a particle of matter. [Assume the particles are uniformly distributed throughout each object, and particles of the same size have the same mass.]
- a. 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.
- b. Explain your reasoning for each answer in the last column.



Property	Relationship	Reasoning
Mass	А В	
Volume	Α Β	
Density	А В	

- 2. Study the matter in Figure 2. [Assume the particles are uniformly distributed throughout each object, and particles of the same size have the same mass.]
- a. In the table below show how the masses, volumes, and densities compare by adding the symbol <, >, or = to the statement in the second column.
- b. Explain your reasoning for each



Property	Relationship	Reasoning
Mass	Α Β	
	A C	
Volume	A B	
	A C	
Density	A B	
	A C	

 $Chemistry-Mr.\ Montero-MDCPS/MKHS$