Name		Date	Date			
Density Problems						
1.	Write the equation for Densit	y:				
			Unit for Solids Unit for Liquids			
2.	Place the symbols, from the c	lensity equation, in their p	roper place in the triangle:			
			_			
3.	Write the equation for Volume):				
			Unit for Solids Unit for Liquids			
4.	Write the equation for Mass:		U			
	ample:					
1. Iron has a density of 7.86 g/cm ³ . What would the mass of an iron bar with a volume of 40						
	Density 7.86 g/cm ³	Volume40 cr	m ³ Mass <u>???</u>			
	Formula With Kno	wns Answer with	unit			
	M = DV = (7.96) (4	0) = 0.199 g				
(Show all work and include all units – Just like in the example problem) 1. A solid ball has a mass of 50 grams and a volume of 20 cm ³ . What is the density?						
	Density	Volume	Mass			
	Formula	With Knowns	Answer with unit			
2.	Silver has a density of 10.5 a mass of 5g?	grams/cm ³ . What wou	ld be the volume of a silver coin i	f it had		
	Density	Volume	Mass			
	Formula	With Knowns	Answer with unit			
3.	Given that the density of gold is 19.3 g/cm ³ , what would be the mass of a gold bar that had a volume of 100 cm ³ ?					
	Density	Volume	Mass			
	Formula	With Knowns	Answer with unit			

	Doneity	Volumo	Mass	
	Density	Volume		
	Formula	With Knowns	Answer with unit	
5.	Bronze has a density of 9.87 of 5g?	7 g/cm ³ . What would be the	e volume of a bronze coin if it had a mass	
	Density	Volume	Mass	
	Formula	With Knowns	Answer with unit	
6.	Freshwater has a density of 1.0 g/cm ³ . What volume container would be needed to hold 50g of this water?			
	Density	Volume	Mass	
	Formula	With Knowns	Answer with unit	
7.	Aluminum has a density of 2 volume of 100cm ³ ? Density Formula	Volume	he mass of a bar of aluminum that had a Mass Answer with unit	
8.	A block of metal has a volume of 15cm ³ and a mass of 45 g. What is its density?			
	Density	Volume	Mass	
	Formula	With Knowns	Answer with unit	
9.	The water in the Great Salt Lake in Utah can reach a density of 1.25 g/cm ³ . What volume container would be needed to hold 50g of this water?			
	Density	Volume	Mass	
	Formula	With Knowns	Answer with unit	
10	. What is the density of Carbo	on dioxide gas if 0.196 g occ	cupies a volume of 100 ml?	
	DensityVolu	ıme	Mass	
	Formula	With Knowns	Answer with unit	