Name	Period						
Partner							
The Density	of Metals Lab						
Procedure:1. Find the mass of an empty and dry 100 mL	graduated cylinder usii	ng a balance.					
2. Fill it half way with one of the metals. Reco	rd the volume.						
3. Find the mass of the cylinder and metal using	g a balance.						
4. Calculate the mass of the metal alone. It will cylinder and the mass of the cylinder plus m		ween the mass of the					
5. Walk around the breakout room and get data	a from other groups to	fill in table 2 below					
6. Answer the questions.							
Data:	ble 1						
Metal Identification Number							
Mass of Graduated Cylinder (grams)							
Mass of Graduated Cylinder and Metal (grams)							
Mass of Metal alone (grams)							
Volume of Metal (mL)							

Density of Metal (g/mL)

Identity of Metal

empty

Table 2

Student's First Name	Identity of metal	Density of Metal (mass divided by volume)

Post Lab Questions:

1)	D	oes a	pure meta	l alv	ways l	have t	he	same o	lensi	ty as	any	othe	er samı	ole o	f the	pure	meta	ľ
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2) What is the difference between an intensive and extensive property?