

Name \_\_\_\_\_ Period \_\_\_\_\_

College Prep Chemistry of the Earth System

Assignment 0L – Solving for Density, Part 1

20 Points

Answer the following questions

Define Intensive Properties of Matter	Define Extensive Properties of Matter

For the density equation below, complete the chart below

D =	m	m	type		unit	
	v	v	type		unit	

Solve the following density problems

m = 13.4g, v = 34.5mL, find Density (D)				m = 42.4g, v = 12.3mL, find Density (D)			
D = m/v				D = m/v			
m =		v =		m =		v =	
D =	_____			D =	_____		
Density (D) =				Density (D) =			

m = 41.4g, v = 8.30mL, find Density (D)				m = 92.4g, v = 104.2mL, find Density (D)			
D = m/v				D = m/v			
m =		v =		m =		v =	
D =	_____			D =	_____		
Density (D) =				Density (D) =			

m = 173.5g, v = 35.2mL, find Density (D)				m = 48.2g, v = 81.9mL, find Density (D)			
D = m/v				D = m/v			
m =		v =		m =		v =	
D =	_____			D =	_____		
Density (D) =				Density (D) =			