

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

## College Prep Chemistry of the Earth

## Assignment 5B – The Mol - Atomic and Molar Mass

20 Points

*Answer the following questions based on the in class discussion*

Define Mol	Define Avogadro's Number

*Determine the atomic mass (amu), and molar mass (g/mol) for the following isotopes, and the average atomic mass (amu and g/mol) based on the periodic table.*

Isotope	Oxygen-16	Oxygen-17	Oxygen-18
Atomic Mass (amu)			
Molar Mass (g/mol)			
Avg Atomic Mass (g/mol, periodic table)			

Isotope	Magnesium-24	Magnesium-25	Magnesium-26
Atomic Mass (amu)			
Molar Mass (g/mol)			
Avg Atomic Mass (g/mol, periodic table)			

Isotope	Iron-54	Iron-56	Iron-58
Atomic Mass (amu)			
Molar Mass (g/mol)			
Avg Atomic Mass (g/mol, periodic table)			

Isotope	Antimony-121	Antimony-123	Antimony-125
Atomic Mass (amu)			
Molar Mass (g/mol)			
Avg Atomic Mass (g/mol, periodic table)			