

Name _____ Period _____

College Prep Chemistry of the Earth

Assignment 6C – Molar Mass (*representative elements/compounds*)

20 Points

Calculate the average molar mass for the following elements/compounds/molecules

Element	Molar Mass
Lithium (<i>Li</i>)	
Copper (<i>Cu</i>)	
Lead (<i>Pb</i>)	

Element	Molar Mass
Carbon (<i>C</i>)	
Phosphorous (<i>P</i>)	
Chlorine (<i>Cl</i>)	

For the following ionic compounds or covalent molecules, calculate the molar mass

Nitrogen Trihydride (NH_3)		
Element	#	Molar Mass
Nitrogen (<i>N</i>)		
Hydrogen (<i>H</i>)		
Nitrogen Trihydride (NH_3)		

Carbon Tetrachloride (CCl_4)		
Element	#	Molar Mass
Carbon (<i>C</i>)		
Chlorine (<i>Cl</i>)		
Carbon Tetrachloride (CCl_4)		

Sodium Fluoride (NaF)		
Element	#	Molar Mass
Sodium (<i>Na</i>)		
Flourine (<i>F</i>)		
Sodium Fluoride (NaF)		

Aluminum Oxide (Al_2O_3)		
Element	#	Molar Mass
Aluminum (<i>Al</i>)		
Oxygen (<i>O</i>)		
Aluminum Oxide (Al_2O_3)		

Lead(IV) Nitride (Pb_3N_4)		
Element	#	Molar Mass
Lead (<i>Pb</i>)		
Nitrogen (<i>N</i>)		
Lead (IV) Nitride (Pb_3N_4)		

Tungsten(VI) Sulfide (WS_3)		
Element	#	Molar Mass
Tungsten (<i>W</i>)		
Sulfur (<i>S</i>)		
Tungsten(VI) Sulfide (WS_3)		