

Name: _____

Periodic Trends Problems II

Period: _____

- Given the following elements, rank them in order of **increasing electronegativity**. Explain your answers to the right.
 - Li, Na, K, Rb ___ > ___ > ___ > ___ Explanation: _____

 - C, N, O, F ___ > ___ > ___ > ___ _____

 - B, Si, As, Te ___ > ___ > ___ > ___ _____

 - Rb, Sr, In, Sn ___ > ___ > ___ > ___ _____

- Given the following elements, rank them in order of **increasing Atomic radius**. Explain your answers to the right.
 - Li, Be, Na, Mg ___ > ___ > ___ > ___ Explanation: _____

 - K, Ca, Br, Kr ___ > ___ > ___ > ___ _____

 - Si, P, S, Cl ___ > ___ > ___ > ___ _____

 - F, Cl, Br, I ___ > ___ > ___ > ___ _____

- Given the following elements, rank them in order of **increasing Ionic radius**. Explain your answers to the right.
 - Li^{+1} , Be^{+2} , Na^{+1} , Mg^{+2} ___ > ___ > ___ > ___ Explanation: _____

 - K^{+1} , Ca^{+2} , Br^{-1} , Kr^0 ___ > ___ > ___ > ___ _____

 - Si^{+4} , P^{-3} , S^{-2} , Cl^{-1} ___ > ___ > ___ > ___ _____

 - F^{-1} , Cl^{-1} , Br^{-1} , I^{-1} ___ > ___ > ___ > ___ _____

- Given the following elements, rank them in order of **increasing Ionization energy**. Explain your answers to the right.
 - Li, Na, K, Rb ___ > ___ > ___ > ___ Explanation: _____

 - C, N, O, F ___ > ___ > ___ > ___ _____

 - B, Si, As, Te ___ > ___ > ___ > ___ _____

 - Rb, Sr, In, Sn ___ > ___ > ___ > ___ _____
