

## Periodic Trends

### Practice sheet # 11

1. Complete the following table.

Questions	Si or Cl?	F or Br?
Which element has a larger atomic radius? Explain.		
Which Element has a higher ionization energy? Explain		
Which element has a higher electronegativity? Explain		

2. List each set of atoms from smallest to largest atomic radius.
- Mg, Be, Ca
  - C, B, N
  - As, P, N
  - Sc, Ti, V
3. Which of the elements in each set has the highest ionization energy?
- K, Li, Cs
  - Na, Mg, Cl
  - C, F, Be
  - Ra, Ca, Be
4. Which of the elements listed has the highest electronegativity?
- Be, B, N
  - I, Br, At,
  - Se, O, S
  - Na, Al, P
5. Which of the following has the larger radius, the neutral atom or the ion?  
Explain.
- Br or Br<sup>-</sup>
  - Cs or Cs<sup>+</sup>