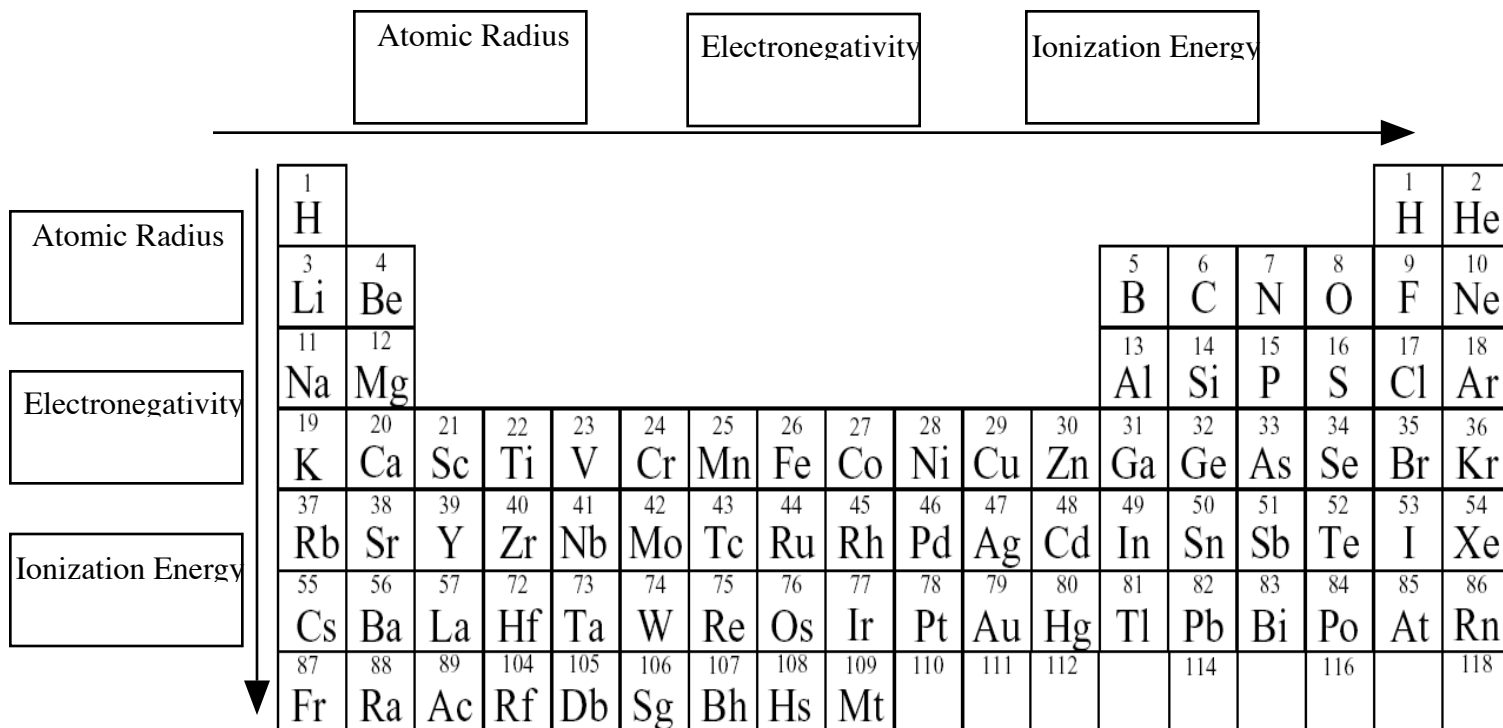


Date:

Periodic Trends

1.



2. For each set of atoms tell which atom has the biggest atomic radius:

Atom 1	Atom 2	Atom 3	Atom 4	Largest in Set
Lithium	Carbon	Nitrogen	Fluorine	
Calcium	Beryllium	Radium	Magnesium	
Krypton	Zinc	Calcium	Bromine	
Polonium	Sulfur	Oxygen	Tellurium	

3. For each set of atoms tell which atom has the highest electronegativity:

Atom 1	Atom 2	Atom 3	Atom 4	Highest Electronegativity
Chlorine	Sulfur	Aluminum	Magnesium	
Boron	Indium	Aluminum	Gallium	
Nitrogen	Oxygen	Fluorine	Calcium	
Lithium	Calcium	Francium	Silicon	

Date:

Periodic Trends

4. For each set of atoms tell which atom has the lowest ionization energy.

Atom 1	Atom 2	Atom 3	Atom 4	Lowest Ionization Energy
Nitrogen	Fluorine	Oxygen	Carbon	
Iodine	Bromine	Fluorine	Chlorine	
Lithium	Beryllium	Boron	Carbon	
Aluminum	Silicon	Phosphorus	Sulfur	

5. Which would be larger the ionic radius or the atomic radius?

a. Calcium's Atomic Radius or Ionic Radius

b. Fluorine's Atomic Radius or Ionic Radius

c. Bromine's Atomic Radius or Ionic Radius

d. Potassium's Atomic Radius or Ionic Radius