Periodic Trends Worksheet

Use the periodic table and your knowledge of periodic trends to answer the following questions.

1.		each pair has the b) Ca or Ni g) Si or S			e) Cl or Br
2.	What is the periodic trend for atomic size from top to bottom in a group? from left to right in a period?				
3.	Why do atoms get smaller as you move left to right in a period?				
4.	a) Na or O	in each pair has b) Be or Ba g) Ca or Fr	c) Ar or F		e) I or Ne
5.	Explain the relationship between the relative size of an ion to its neutral atom and the charge on the ions.				
6.		has the larger ra b) S, S ²⁻			
7.	What is ionization energy? What is first ionization energy?				
8.	What is the periodic trend for first ionization energy?				
9.	Arrange the following groups of elements in order of increasing ionization energy. a) Be, Mg, Sr b) Bi, Cs, Ba c) Na, Al, S				
10.	Which element a) Cl, F	in each pair has b) C, N	a higher electr		e?
11.	What is the periodic trend for electronegativity?				