ANSWERS

Ionization III

Name

Period

1. Write a balanced equation for neutral fluorine atom gaining one electron:

$F + e^- \rightarrow F^-$

2. Write a balanced equation for S^{2-} anion losing two electrons:

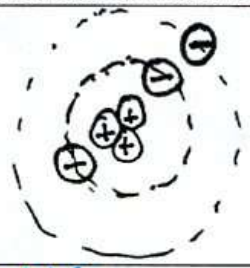
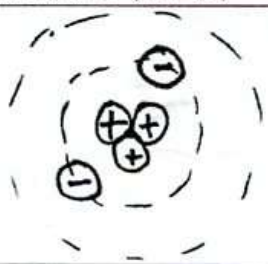
$S^{2-} \rightarrow 2e^- + S$

3. Write a balanced equation for a calcium ion gaining two electrons:

$Ca^{2+} + 2e^- \rightarrow Ca$

4. In which situation below will attraction be stronger? (A / B / no difference)		5. In which situation below will attraction be stronger? (A / B / no difference)
a) 		a) 
b) 		b) 

6. To remove an **electron** from an atom we have to pull hard enough to overcome the attraction of the atom's **nucleus**. On the two atoms below, which has a valence electron that is easiest to remove? (A / B)

A		B	

one valence e⁻

two valence e⁻s