

**Ch8/ PowerPoint Study-2 Electronic Configuration Exceptions Name:**

*Answer these questions as you are watching the videos. They are due in class.*

*These questions are not just for you to answer but also to prepare you for the exam.*

***Make sure you understand what you are writing and not just copy from the text book. Show all work.***

1) How many core and valence electrons are in the following elements?

	calcium	sulfur	iron
Core e <sup>-</sup>			
Valence e <sup>-</sup>			

2) What is the noble gas can be used for the electronic configuration of the following elements?

	rubidium (Rb)	chromium	sulfur
Noble Gas:			

3) Write the spdf and box configuration of the following ions. Do not use noble gas notation.

a) Al<sup>3+</sup>

b) O<sup>2-</sup>