**S-4**

**Name: Period: Seat#:**

*See the back of this page for Review Topics and One Pager Instructions. Do the One Pager on this side of the page.*

**This is a general list of some of the topics we have covered this chapter. These are suggested study topics, not a definitive list. You can/will be assessed on not just whether you have memorized the material, but also if you can apply the information to a new scenario/situation/context/example. Remember – there is a difference between “knowing” something and truly “understanding” something – memorization vs applying!**

* Types of orbitals
* Orbital numbers
* Orbital diagrams
* Electron configuration rules
* Writing Electron configurations with just the periodic table
* Electron configurations of ions
* Noble Gas Configurations
* Absorption and emission spectra

One Pager Instructions

A one-pager is a written and graphic interpretation of what you’ve learned presented on a single sheet of paper. In this case, you will demonstrate that you have successfully practiced five strategies commonly used by effective learners. The one-pager will help showcase your thoughts and will provide a reference for later review or further study of the topics.

**Guidelines:**

* Use standard (8.5 x 11”) unlined paper (you will use the front of this paper).
* Fill the entire paper
* Writing must be in ink, no pencil.
* Use color for illustrations.
* Include all required information (you can arrange it on the page in any way you choose).
* Make sure your One Pager is clearly understandable, easy to read, and full of evidence of higher level thought.
* Needs to show THINKING and PROCESSING of the information, not just regurgitating every fact you learned.
* Needs to show a high level of effort, detail, thought, and care. This is not something you scribble out during brunch before class starts!

**Required Information:**

* Must address all the Review Topics above
* Chapter number and title
* Five most important vocabulary words/terms
* Key equations (with names of equations if applicable).
* List of key concepts/topics
* Explanations of words or ideas that correspond to the chapter
* Two or more higher level questions about the text (Look up Costa’s Levels of Questions for help) INCLUDING answers. These are not “practice problem” calculations to solve.
* Two or more Annotated/explained “representative practice problems” for any topics related to math.
* A 10 sentence paragraph that summarizes and connects the information together.
* Visual representations of the important aspects of the chapter
* A “warning” or “tips” section