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

**S-3**

**Name: Period: Seat#:**

**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 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:**

* Fill the entire paper - minimize the white space in a meaningful way!
* Must represent all topics from chapter.
* Writing must be in ink, no pencil.
* Use color for illustrations.
* Include all required information   
  (arrange it on page any way you choose).
* Must show higher level 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!
* Must be clear, easy to read, understandable

**Required Information – MUST LABEL SECTIONS AND USE BOXES TO SEPARATE SECTIONS**

* Chapter number and title
* Five most important vocabulary words/terms
* Key equations (with names of equations if applicable).
* List of key big concepts/topics (not vocab words)
* Explanations of words or ideas that correspond to the chapter
* A “warning” or “tips” section
* Visual representations of the important aspects of the chapter
* Two higher level questions about the concepts INCLUDING answers. These are not *calculations* to solve.
* Two annotated/explained “representative practice problems” for any topics related to math. Needs to be more than just listing the steps – that isn’t explaining anything! If no math in the chapter then does not need to be included.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **One Pager Grade Sheet** | | | | | |
|  | **High** | **Medium** | **Low** |  | **Other/Comments** |
| Fill the entire paper in a meaningful way | **3** | **2** | **1** | **0** |  |
| All required topics | **3** | **2** | **1** | **0** |  |
| Higher level, thinking, processing | **6** | **4** | **2** | **0** |  |
| High level of effort, detail, thought, care | **6** | **4** | **2** | **0** |  |
| Clear, easy to read, understandable | **3** | **2** | **1** | **0** |  |
| Chapter number and title | **---** | **2** | **1** | **0** |  |
| Five most important vocab words/ideas | **3** | **2** | **1** | **0** |  |
| Key equations | **3** | **2** | **1** | **0** |  |
| List of key big concepts/topics (not vocab) | **3** | **2** | **1** | **0** |  |
| Explanations of key concepts/topics | **3** | **2** | **1** | **0** |  |
| Warning/tip section | **3** | **2** | **1** | **0** |  |
| Visual representations with color | **3** | **2** | **1** | **0** |  |
| Two higher level Qs including answers | **3** | **2** | **1** | **0** |  |
| Two annotated/ explained math problems | **3** | **2** | **1** | **0** |  |