

**Dougherty Valley HS Chemistry**  
**Chapter #3 – Review Topics and One Pager**

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



**Name:**

**Period:**

**Seat#:**

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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	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
All required topics	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Higher level, thinking, processing	<b>6</b>	<b>4</b>	<b>2</b>	<b>0</b>	
High level of effort, detail, thought, care	<b>6</b>	<b>4</b>	<b>2</b>	<b>0</b>	
Clear, easy to read, understandable	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Chapter number and title	---	<b>2</b>	<b>1</b>	<b>0</b>	
Five most important vocab words/ideas	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Key equations	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
List of key big concepts/topics (not vocab)	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Explanations of key concepts/topics	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Warning/tip section	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Visual representations with color	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Two higher level Qs including answers	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	
Two annotated/ explained math problems	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	