

**Dougherty Valley HS Chemistry**  
**Chapter #1 – Review Topics and One Pager**

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



**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!

- Metric System
- Metric Conversions
- Scientific Notation
- Significant Figures
- Density
- Dimensional Analysis
- Chemical vs. Physical Changes
- Chemical vs. Physical Properties
- Types of Matter – atoms, compounds, pure substances, mixtures
- Parts of the atom
- Atomic #s and Isotopes
- Average Mass Calculations

## 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

- |   |   |
|---|---|
| <input type="checkbox"/> Chapter number and title<br><input type="checkbox"/> Five most important vocabulary words/terms<br><input type="checkbox"/> Key equations (with names of equations if applicable).<br><input type="checkbox"/> List of key big concepts/topics (not vocab words)<br><input type="checkbox"/> Explanations of words or ideas that correspond to the chapter<br><input type="checkbox"/> A “warning” or “tips” section | <input type="checkbox"/> Visual representations of the important aspects of the chapter<br><input type="checkbox"/> Two higher level questions about the concepts INCLUDING answers. These are not <i>calculations</i> to solve.<br><input type="checkbox"/> 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	