

Dougherty Valley HS Chemistry
Chapter #4 – 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!

- Periodic Table Structure
- Classes of elements
- Group names
- Valence electrons
- Atomic Radius
- Ionic Radius
- Ionization Energy
- Electronegativity
- Electron affinity
- Reactivity
- Shielding
- Effective Nuclear Charge

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	