

Dougherty Valley HS Chemistry
Chapter #10 – 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.

S-26

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!

- All Key Vocab from chapter
- Types of heat transfer
- 1st Law of Thermodynamics
- Endo vs. Exothermic including reaction diagrams
- Specific Heat
- $Q = mC\Delta T$ calculations
- Calorimetry
- $Q = mL$ calculations
- Heating/Cooling Curve calculations
- ~~Mixed Phase Calorimetry~~
- ~~Phase Diagrams~~
- Molar Heat Calculations
- Heat of Reaction Calculations
- Bond Energy Calculations
- Hess's Law Calculations
- Remember this chapter has lots of small details like making L negative when cooling, being careful with double negatives, watching out for slight variations in units being used, looking for key words in the problems, etc. The list of topics doesn't seem long, but the details add up. Keep this in mind when studying!

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.

5	4	3	2	1	0
All expectations and required elements were followed/included	Many expectations and required elements followed/included	Some expectations and required elements were followed/ included.	Few of the expectations and required elements were followed/ included.	Very few of the expectations and required elements were followed/ included.	
Elements done in an extremely detailed and high level manner.	Elements done in a detailed and high level manner.	Elements lacking detail or not done in a high level manner.	Elements significantly lacking detail or not done in a high level manner.	Elements significantly lacking detail or not done in a high level manner.	
Demonstrates deep and substantial understanding of the material.	Demonstrates a significant understanding of the material.	Demonstrates a moderate understanding of the material.	Demonstrates a superficial understanding of the material.	Does not demonstrate understanding of the material.	
A significant honors level effort and detail shown.	An attempt at an honors level effort and detail shown.	A greater attempt at an honors level effort and detail needed.	A greater attempt at an honors level effort and detail needed.	A greater attempt at an honors level effort and detail needed.	