

Chapter 6 – Review Topics One Pager

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 learned (not 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!

- Formula Weight – how to calculate & set-up calculation
- What is a mole?
- Avogadro’s number
- What is a conversion factor?
- Representative particles UNITS for
 - Atoms
 - Ionic compounds
 - Molecular compounds
 - Charged atom
- How to perform conversions for the following:
 - Atoms & Moles
 - Mass & Moles
 - Mass & Atoms
- Molar mass
- What is the BIG difference between Formula Weight & Molar Mass?
- How to convert grams & moles of a compound?
- How to convert mole to mole conversions?
- How to convert mass to mass conversions?
- Percent Composition – how to set-up calculation & determine each element’s mass percentage
- Empirical (EF) vs Molecular Formulas (MF) – what’s the difference?
- How to determine the E.F. from masses/percents?
- How to determine the MF from the EF?

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.

Optional: Since we have lots of topics and math in each unit, you may make a one pager for review topics and one pager for math examples.

Guidelines:

- **Write Name & Period in top right corner**
- **Chapter number and title**

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- Use 8.5 x 11" computer paper. Fill the entire paper. You can write on both sides.
- Writing must be in ink, **NO PENCIL**. You can also type it out.
- Use LOTS of color (pens, highlighters, color pencils, etc)
- Include illustrations, Images, charts, graphs, etc. Use LOTS of color and label parts of diagrams.
- Include all required information (arrange it on page any way you choose).
- Must address all the Review Topics above
- Key equations (with names of equations if applicable)
- List of key concepts/topics
- Explanations of words or ideas that correspond to the chapter
- A "warning" or "tips" section (Mistakes to avoid)
- Visual representations of the important aspects of the chapter
- **"Practice problems"** for any topics related to math. If no math in the chapter then does not need to be included.
- **Summary:** A 4-5 sentence paragraph that summarizes and connects the information together. This is to be done at the bottom of one pager.

Remember.....

- 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 before class starts! Must be clear, easy to read, understandable

Due Date: Each Unit will require a ONE Pager that is due on the day of EXAM.

No late work will be accepted.