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

**S-37**

**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!**

* Properties of acids/bases
* Three definitions of acids/bases
* Conjugate acids/bases
* pH scale
* pH calculations including pH, pOH, [H+], [OH-]
* Naming acids/bases
* Strong vs Weak
* Self Ionization of Water
* Kw
* pH calculations for weak acids/bases (ICE Tables)
* Neutralization reactions
* Hydrolyzation reactions
* Identifying if a salt is acidic/basic/neutral
* Calculating the pH of a salt solution
* Titration vocabulary and set up
* Titration calculations – including finding concentrations, molar masses, moles or grams

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. |  |