

Unit 9

NAME

Class Work

4/17/14

9.3 Neutralization Reactions

SPARK

Complete your SPARK on the WS

Objective

SWBAT predict the products of a neutralization reaction.

Notes

- In order to neutralize (make it so the pH is 7) an acid, we must add a _____.
- In order to neutralize a base, we must add an _____.

Objective: SWBAT predict the products of a neutralization reaction.

NEUTRALIZATION REACTIONS

- The reaction of an acid and a base to produce a salt and water

Objective: SWBAT predict the products of a neutralization reaction.

Classwork time!

Objective: SWBAT predict the products of a neutralization reaction.

Unit 9

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9.4 Indicators

SPARK

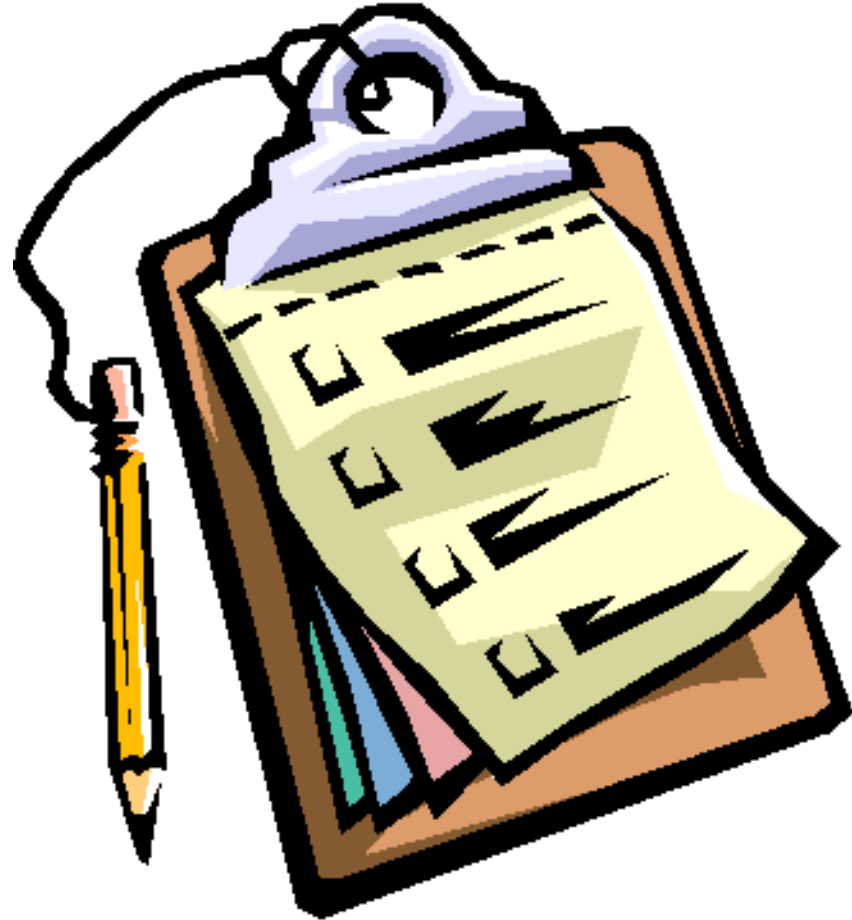
1. Be sure you have a pair of goggles and an apron!
2. Complete your participation check!
3. When you are finished, turn it in grab the 9.4 Notes sheet and Lab #23!

Objective

SWBAT use indicators to describe acids and bases

Agenda:

- SPARK/Objective
- Notes
- Lab
- Homework



Objective: SWBAT use indicators to determine if something is an acid or a base

What are indicators?

- Indicators allow us to determine the pH of a solution visually.
- Indicators change colors in a specific pH.
- Common indicators are listed in Table M.

Objective: SWBAT use indicators to determine if something is an acid or a base

Indicators

- **Most Common indicator = phenolphthalein**
- Phenolphthalein will change from a colorless solution to pink at the pH range _____.
- You have a beaker with acid in it. You add a few drops of phenolphthalein, and then begin to add a base to the beaker. Eventually the solution turns pink. What pH can you say the solution is? _____

Objective: SWBAT use indicators to determine if something is an acid or a base

Example

- A solution was found to have a pH of 7.8. What color would the solution have if the following indicators were added?

1. bromthymol blue - _____

2. thymol blue - _____

Objective: SWBAT use indicators to determine if something is an acid or a base

Lab #23

- Follow the procedure with your lab partners
- Goggles and apron must be worn at all times
- Please rinse your tray after you used it and place it in the BLACK crate
- When finished, return to your sheet and work on the analysis section!

Objective: SWBAT use indicators to determine if something is an acid or a base

HOMEWORK

Complete 9.4 Notes sheet and 9.4 Lab sheet
(submit both sheets to the sub TOMORROW!)

Cations: 9.3 due TOMORROW!

Objective: SWBAT use indicators to determine if something is an acid or a base