

Lab #1: Quick Ache Relief Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #2: Green Chemistry Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #3: Qualitative Analysis Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #4: Hydrates Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #5: Titration Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #6: Calorimetry Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #7: PES Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #8: VSEPR Online Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*



Lab #9: Molar Mass of a Volatile Liquid Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #10: Evaporation and IMF Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #11: Kinetics Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #12: Equilibrium Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #13 Ka of a Weak Acid Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #14: Hydrolysis Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #15: Ksp Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*

Lab #16: Electrochemistry Lab

Challenge:

Overall Methodology and Chemical Concept (including Chemical Reaction if applicable):

Equipment Set Up:

Particulate Level Diagrams (if applicable) :

Formula and Calculations:

Error Analysis: *Hint: List and explain at least one error that will give you a higher than actual and one that will give you a lower than actual value.*