

1.1-1.3 test review

Directions: Complete these questions AND p. 33 #1-3. Put ALL ANSWERS in your NOTEBOOK.

1. For an experiment where a student tests the amount of carbon dioxide produced for various amounts of baking soda reacted (it reacts with vinegar),
 - a. What is the independent variable?
 - b. What is the dependent variable?
 - c. Which of the following is an important constant: the amount of baking soda added, the amount of carbon dioxide, the amount of vinegar added?
2. Is the following statement a prediction or hypotheses? EXPLAIN HOW YOU KNOW!
The equilibrium at higher temperatures will result in a higher ratio of products/reactants because the reaction is endothermic.
3. Why are multiple trials important in experimental design?
4. Can a theory ever become a law? Why or why not?
5. Why should you make observations about the original substance in a lab?
6. Page 33 #1-3