

Chemistry 14.1

Goals: Research and writing for their chemical reaction paper

- Understand and communicate the ramifications of the reaction
- Calculate molar masses and balance the equation for this reaction

Plan:

Computer lab time, students will use resources construct their five paragraph essay into the history of this process and why it is important

Chemistry 14.3

Goals: Relate the starting moles of the component of a chemical reaction with the amount of a product produced, and vice versa

Bellwork:

Terry's Terrific Tricycles produces 4,700 pounds of tricycles every day according to the factory accountant (they didn't tell you how they got that answer but you trust them). If this is true, how many pounds do the wheels weigh altogether?

- Determine what two pieces of data you would need to measure this. The only thing you can't do is weigh all the wheels at the same time...you don't have a scale that is large enough to do that
- When you have a plan for solving, ask the teacher for the data you need
- Calculate to find the answer

Class discussion and volunteers to describe answer from bellwork

Stoichiometry: measurement of amounts made in a chemical reaction

Example: determining the amount of hydrogen made from separation of water

Guided example, determining the amount of these given a specific amount

Homework: Two stoichiometry problems (handout)