

You must complete 3 assignments following any “tic-tac-toe” combination. The assignments can be worked on in class as a “filler”; otherwise they are to be completed at home. The assignments may be handed in as they are completed, but all three are ultimately due on: 3/19/15

STOICHIOMETRY TIC-TAC-TOE

Research the chemistry behind a chemical reaction that is used in automobiles. Write a page that explains what the reaction is, where it occurs in the car, and what it does for the car.	Make a puzzle (by hand) that incorporates the concepts involved in chemical reactions, stoichiometry, and the Law of Conservation.	Find a political cartoon (or...make your own) that involves chemistry, and write a well-versed paragraph that explains the cartoon.
Make a cartoon, song, or poem that depicts the importance of chemical reactions. It should include some concepts about Law of Conservation and/or Stoichiometry.	Chemists also need to be concerned about the environment. Research “ Green Chemistry ”, and write a page that discusses Green Chemistry’s vision, the history behind their implementation, and what they are currently working on.	Combustion reactions occur when any substance is burned. Research a particular combustion reaction, and use any form of media that that explains the reaction itself, what happens when oxygen levels are limited, and the impact of this incomplete combustion.
Put yourself in the role of an atom , and write a letter to the science community explaining your fate in a chemical reaction. Include the concepts of the Law of Conservation and limiting reactants.	Air bags in cars operate via a chemical reaction. Research a car manufacturer and gather information about their use of air bags. Create a pamphlet that includes the chemistry behind the airbag they use, when they were first used, and where they are located in the vehicle.	Research the chemistry behind a biological process that involves a chemical reaction. Write a page that explains what the chemical reaction is, where it takes place, and what it does for the body.

