**More Complete Chemical Equations**

Write the complete equation for each of these processes:

1. When pellets of sodium hydroxide are added to pure sulfuric acid, sodium sulfate powder and water are formed. This reaction spontaneously generates a huge amount of heat, so make sure that you do it slowly to avoid splashing the sulfuric acid!
2. Concentrated solutions of sulfuric acid are unstable, degrading into water and sulfur trioxide gas. This process generates a lot of heat, so make sure it doesn’t boil over!
3. When pure, liquid acetic acid is shaken up with a solution of sodium carbonate, a solution of sodium acetate is formed, as is liquid water and bubbles of carbon dioxide. The container in which this reaction occurs becomes notably colder as the reaction proceeds.