**SCH3U1 – Types of Solutions Worksheet**

1. Name the two basic components of a solution.
2. Give examples of each type of solution.
   1. Solid solution
   2. Liquid solution
   3. Gaseous solution
3. How do the properties of homogenous mixtures differ from the properties of heterogeneous mixtures? Use examples.
4. What is an amalgam? How is it different from an alloy?
5. You are given three liquids. One is a pure substance, and the second is a solution of two miscible liquids. The third is a solution composed of a solid solute dissolved in a liquid solvent. Describe the procedure you would follow to distinguish between the three solutions.
6. Food colouring is often added to foods such as candies, ice cream, and icing. Are food colouring dyes more likely to be polar or non-polar? Explain your answer.