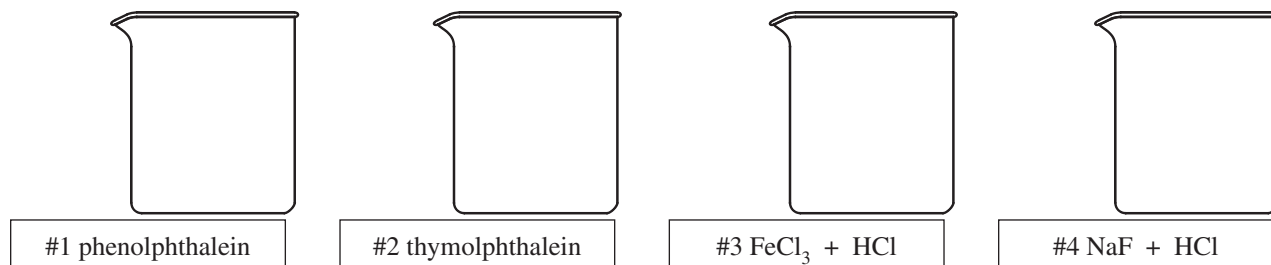


The Designated Driver Worksheet

Discussion Questions

A mixture of sodium hydroxide and potassium thiocyanate was originally present in the large 1-L beaker that was used to fill the other four, smaller beakers. The contents of those four beakers before the mixture was added were



1. Describe the color change observed in each of the four smaller beakers. Explain why each color change occurred.

a. Beaker #1

b. Beaker #2

c. Beaker #3

d. Beaker #4

2. Why did the combination of the first three beakers turn red?

3. Why did the combination of all four beakers turn colorless?