

# Sorting Out Solutions Demonstration Worksheet

## Discussion Questions

1. Draw the beaker after the potassium carbonate had been added. Label each layer.
2. When water, a polar substance, and ethyl alcohol, a non-polar substance, are mixed, they form strong hydrogen bonds. How would the ions from the dissociation of potassium and carbonate cause the two substances to separate?
3. Why does the food coloring remain in the organic layer upon the addition of potassium carbonate?