FLINN SCIENTIFIC

Name_____

Liquid Crystals Demonstration Worksheet

1. Describe the reflected colors and color changes that were observed when the liquid crystal mixtures were placed against a black background.

2. Compare and contrast with the observed transmitted color changes when the mixtures were viewed in front of a light source.

3. List the complementary colors of transmitted light and reflected light that would be observed simultaneously at the same temperature for a liquid crystal.

4. For the liquid crystal mixture passed around the class, what are the transition temperatures for the appearance of blue reflected light and green reflected light?