SCIENCE BACKGROUND
Matter is anything that has mass and takes up space. Different kinds of matter exist and many of them can be either solid or liquid, depending on temperature. Matter can be described and classified by its observable properties. Different properties are suited to different purposes.

I CAN STATEMENTS
✓ I can plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

INGREDIENTS
- Tall Transparent Glass
- Vegetable Oil
- Water
- Food Coloring
- Alka-Seltzer

INSTRUCTIONS
STEP 1: Fill the tall transparent glass 1/4 of the way with water. Add food coloring. Describe and classify the water by its observable properties.
STEP 2: Fill the tall transparent glass 2/4 of the way with vegetable oil. Describe and classify the vegetable oil by its observable properties.
STEP 3: Drop an Alka-Seltzer tablet into tall transparent glass and observe. Describe and classify what you see by its observable properties.

EXPLANATION
Oil and water do not mix. The oil stays above the water, since it is less dense than the water. The Alka-Seltzer tablet sinks to the bottom, dissolving in the water, creating a gas. The rising, gas filled, blobs of water push through the vegetable oil to the top. Once at the top, the gas escapes and the blobs of water sink back to the bottom.