CLOCK REACTION

SCIENCE SAFETY
PLEASE follow these safety precautions when doing any science experiment.

- ALWAYS have an adult present.
- ALWAYS wear the correct safety gear while doing any experiment.
- NEVER eat or drink anything while doing any experiment.
- REMEMBER experiments may require marbles, small balls, balloons, and other small parts. Those objects could become a CHOKING HAZARD. Adults are to perform those experiments using these objects. Any child can choke or suffocate on uninflated or broken balloons. Keep uninflated or broken balloons away from children.

INGREDIENTS

- Hydrogen Peroxide (3%)
- Tincture of Iodine (2%)
- 100 mg Vitamin C Tablets
- 3 Transparent Plastic Cups
- Distilled Water
- Liquid Starch

INSTRUCTIONS

STEP 1: Crush a 100 mg vitamin C tablet and then dissolve the powder in 2 oz of distilled water. Describe and classify the solution by its observable properties.

STEP 2: In a different transparent plastic cup, mix 1 tsp of the vitamin C and water, 1 tsp of tincture of iodine, and 2 oz of water. Label this cup “A.” Describe and classify the solution by its observable properties.

STEP 3: In a different cup, mix together 2 oz of water, 3 tsp of hydrogen peroxide, and ½ tsp of liquid starch. Label this cup “B.” Describe and classify the solution by its observable properties.

STEP 4: Mix cup “A” with cup “B” by carefully pouring one cup into the other and observe. What happens? Describe and classify the solution by its observable properties. Does mixing cup “A” with cup “B” result in a new substance?

EXPLANATION

Due to more than one chemical reaction, which is a change that results in one or more new substances, the two colorless liquids turn dark blue.