**Table 2. Physical and Chemical and Lab Stations Set Up/Procedures/Safety**

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| Station Number/Name | Station Materials | Station Procedure | Safety |
| 1. Apple | whole apple, previously cut apple, paring knife, paper towels | Observe a whole and previously cut apple. Cut a whole apple in half and compare its halves to those of the previously cut apple. Complete table line for station 1. | Students should exercise caution when using the paring knife to cut the apple. |
| 2. Burning Candle | candles, clay, matches, goggles, paper towels | Insert the candle into a ball of clay and attach the candle and clay to the lab table. Record observations. Light candle. Record observations. Complete table line for station 2. Disassemble and clean station. | Students wear safety goggles during their entire time at this station. |
| 3. Cup in Acetone | Styrofoam cups, large beaker with acetone in it, gloves, goggles, paper towels | Put on gloves and goggles. Observe cup and acetone and record in table. Insert the bottom end of the cup into the beaker with acetone in it. Hold it here and observe. Complete table line for station 3. Straighten station. | Students wear gloves and safety goggles during their entire time at this station. |
| 4. Vinegar and Baking Soda | Triple beam balance, filter paper, baking soda, vinegar, beaker, metal scoop, plastic dropper, goggles, paper towels | Place a filter piece of paper on the pan of the triple beam balance. Place small amounts of baking soda onto the balance pan, on top of the paper until you have measured about 20 grams. Observe and record. Transfer a dropper full of vinegar to the beaker. Observe and record. Transfer measured baking soda to beaker with vinegar in it. Observe and record. Complete table line for station 4. Empty and wash beaker, straighten station, take off and leave aprons. | Students wear gloves, safety goggles and aprons during their entire time at this station. |
| 5. Milk and Vinegar | beaker of milk, beaker of vinegar, empty beaker, two plastic droppers (one labeled vinegar and the other labeled milk), paper towels | Transfer a dropper full of vinegar into the empty beaker. Observe and record. Using the dropper labeled “vinegar” transfer a dropper full of vinegar to the empty beaker. Observe and record. Using the dropper labeled “milk” transfer a dropper of milk to the beaker you just added vinegar to. Record and observe. Complete line for station 5 on your table. Pour the milk and vinegar mixture down the sink. Wash beaker. Rinse dropper. | Students wear goggles during their entire time at this station. |
| 6. Ice | beaker of fresh ice cubes (replace as needed when melted), timer, paper towels | Set timer to 6 minutes. Observe the beaker of ice. Record observations. After 6 minutes, again record observations. Complete line for station 6. Straighten station. |  |
| 7. Iron Filings and Sand | iron filings in a beaker, sand in a beaker, spoons, paper plate, magnet, paper towels | Use the spoon to transfer two spoonsful of sand and two spoonsful of iron filings onto the paper plate. Observe and record. Use the spoon to mix the two materials together and record the physical and/or chemical properties/changes of the new mixture. Use the magnet to separate the mixture back into sand and iron filings on the paper plate. Complete line for station 6. Straighten station. |  |