

Name: _____ Section: _____

Matter: Atoms and Properties – Open Response Question 2

A science class is studying physical and chemical changes.

The teacher puts a beaker of water onto a hot plate and heats it until bubbles appear.

a) Classify this as a physical or chemical change. Explain your reasoning using specific details.

The teacher puts a sugar cube into a container of warm water. Eventually the sugar cube is no longer visible.

b) Classify this as a physical or chemical change. Explain your reasoning using specific details.

The teacher pours vinegar into a small container of baking soda. The combined substances begin to fizz and bubble as a gas is released.

c) Classify this as a physical or chemical change. Explain your reasoning using specific details.