**Properties and Changes wizer** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_

Use the following link to access the wizer worksheet: **https://app.wizer.me/learn/8IOCZ4**

**Sates of Matter (Review)**

\_\_\_\_\_\_\_\_\_\_\_\_\_ have a definite shape and volume.

\_\_\_\_\_\_\_\_\_\_\_\_\_ have a definite shape and an indefinite volume.

\_\_\_\_\_\_\_\_\_\_\_\_\_ have an indefinite shape and indefinite volume.

**Physical Properties**

\_\_\_\_\_\_\_\_\_\_\_\_\_ is anything that has mass and takes up space.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is any characteristic used to describe matter.

Properties of matter must be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ characteristics.

Color, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ , and shape are examples of properties.

What is volume?

What is used to measure weight? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Physical and Chemical Changes Basics**

Circle the following which can happen during a physical change:

Change in state change of color change in shape change in odor change in size

List three possible causes for physical changes:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Chemical changes happen when:

List the indicators (clues) of a chemical change:

**Chemical Change Video**

What is a chemical change? (hint: the answer is on the screen)

Change in odor, production of light, production of gas, creation of heat are all \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ of chemical changes.

During a chemical change, the substances being combined will always for a new \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Susanna finds a glow stick in her brother’s room. Before he can come in an object she cracks the glow stick. The two chemicals inside the plastic stick begin to combine. This combination results in a bright yellow glow. Explain why this is a chemical change.