

KID CRAFT ACTIVITY GUIDE

States of Matter

KALAMAZOO

CANDLE COMPANY

MATERIALS:

- Kalamazoo Kid Craft Candle Kit
- Paper lined tray or baking sheet
- Scissors, to trim the wick
- Candle lighter or match

VOCABULARY:

Matter, solid, liquid, gas, hypothesis

DISCUSSION:

Matter is anything that takes up space.

Objects can be classified as solid, liquid, or gas.

Solid: rigid, fixed shape, fixed volume

Liquid: not rigid, no fixed shape, fixed volume

Gas: not rigid, no fixed shape, no fixed volume

Can objects transition from one state to another?

What are some examples? (water, ice, and steam)

Extreme temperatures can change the state of matter! For instance, freezing temperatures change water to ice.

Let's Make a Sand Candle!

- Prepare a workstation by placing a tray or baking sheet on a table or flat surface.
- Start with a clean empty glass jar (provided).
- Place provided glue dot on wick tab, remove paper and center in jar bottom with the wick extending toward the top of the jar. Avoid touching the glue!
- Using a plastic or paper cup, pour wax into the jar leaving 1/4" of the wick exposed.



HYPOTHESIS:

In science, a hypothesis is an idea or explanation tested through study and experimentation. What do you think will happen if we apply heat to the candle by lighting the wick?

OBSERVATION:

Is your candle a Solid, Liquid, or Gas? What changes when the candle wax heats up? How long does it take?

TEST:

Extinguish the wick by using a tool to dip it under the wax or cover the jar with a fireproof lid or covering. (Lid will get hot. Use caution when touching the lid.)

When you remove oxygen, what happens to the flame?

When you remove heat, what happens to the matter? How long does it take?

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WARNING: Please use extreme caution when doing activities involving fire with children.