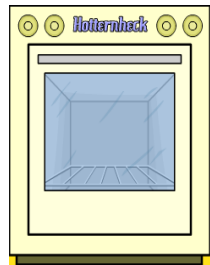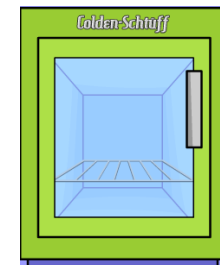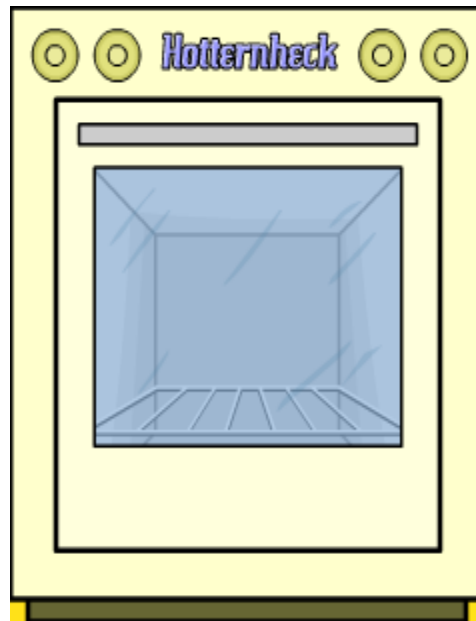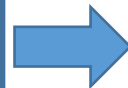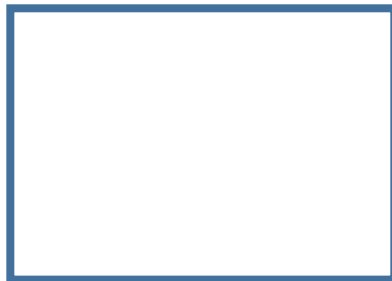| Did you know that adding and removing heat could change materials?	For example, what do you think would happen if I added heat to ice?
You can add heat to things in an oven.	You can remove heat from things in a freezer.

CHANGE IT!

Drag the different solid and liquid objects into the oven and freezer to see what happens.

Turn the oven on.

What happened?

oven
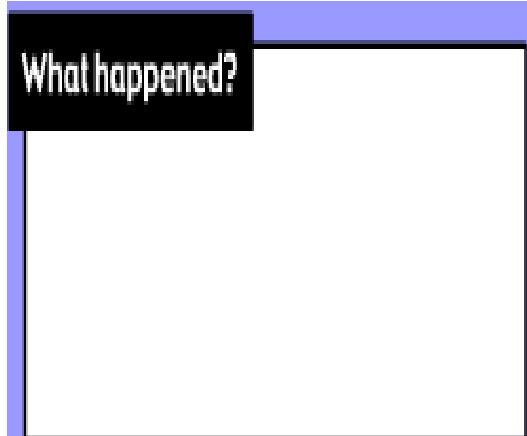
Hotternheck

before

after

CHANGE IT!
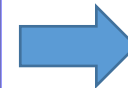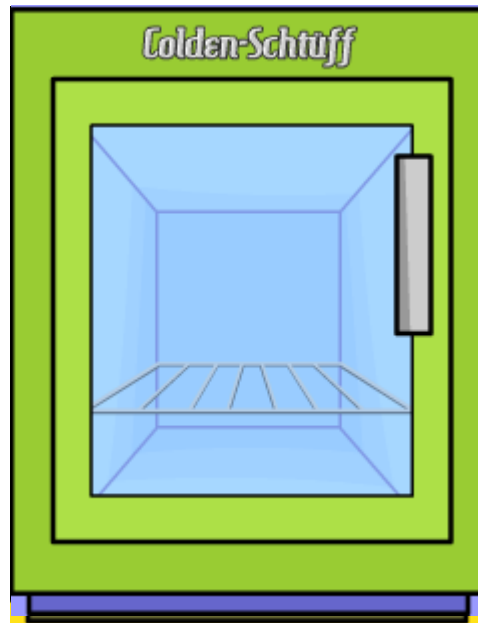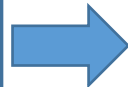
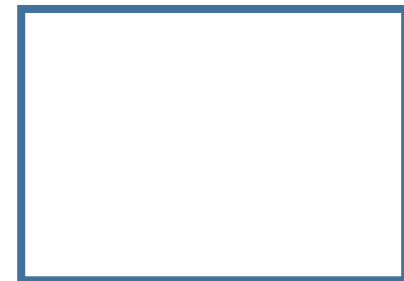Drag the different solid and liquid objects into the oven and freezer to see what happens.

What happened?

Use the freezer.

freezer

Colden-Schtüff

before
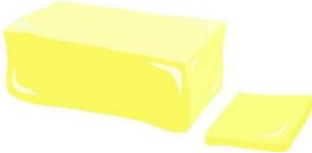
after

Chocolate	Chocolate	Ice Cream	Ice Cream
Butter	Butter	Candle	Candle
Melting Ice	Ice	The chocolate started as a solid. When the heat was **added** it turned into a liquid.	The ice cream started as a solid. When the heat was **added** it turned into a liquid.

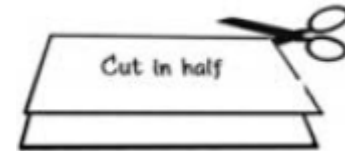|			
The butter started as a solid. When the heat was **added** it turned into a liquid.	The ice started as a solid. When the heat was **added** it turned into a liquid.	The candle started as a solid. When the heat was **added** it turned into a liquid.	The chocolate started as a liquid. When the heat was **removed** it turned into a solid.
The ice cream started as a liquid. When the heat was **removed** it turned into a solid.	The butter started as a liquid. When the heat was **removed** it turned into a solid.	The ice started as a liquid. When the heat was **removed** it turned into a solid.	The candle started as a liquid. When the heat was **removed** it turned into a solid.
Chocolate	**Butter**	**Ice Cream**	**Water**
Candle			

Did you know that you can change the physical properties of objects?
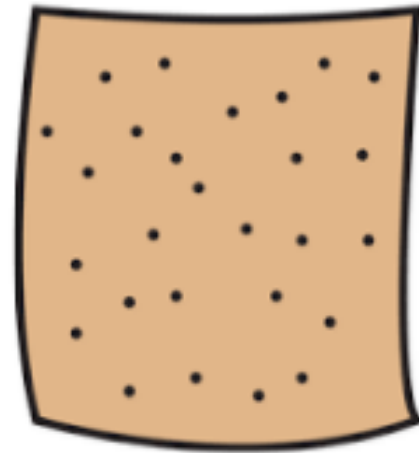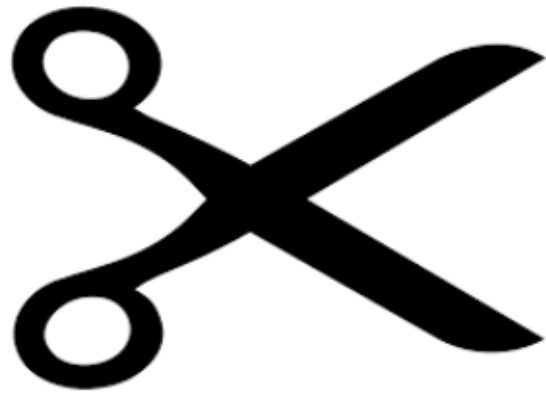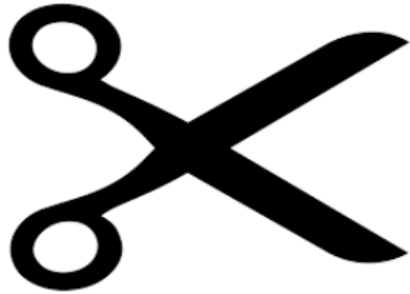
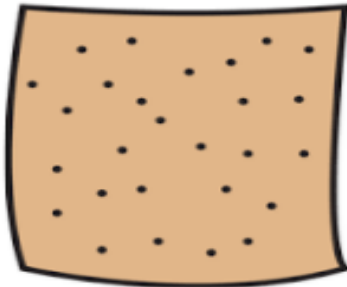|	
Siccors	Siccsors can cut things.
Hands	Hands can fold things.
Sandpaper	Sandpaper make rough surfaces smooth by rubbing away layers. Before After

1. Get five sheets of paper and two hands. (your hands)
2. Demonstrate that hands can change the shape of an object by bending each piece of paper in to a different shape.
3. Draw your designs in the boxes below.

1. Get five sheets of paper and one pair of scissors.
2. Demonstrate that scissors can change the shape of an object by cutting each piece of paper in to a different shape.
3. Draw your designs in the boxes below.
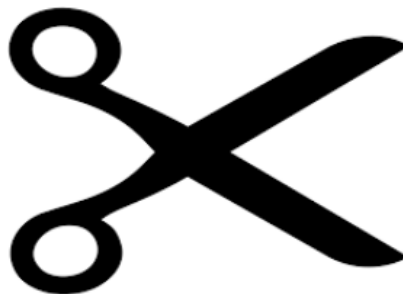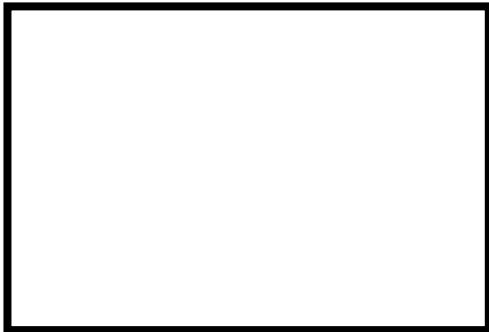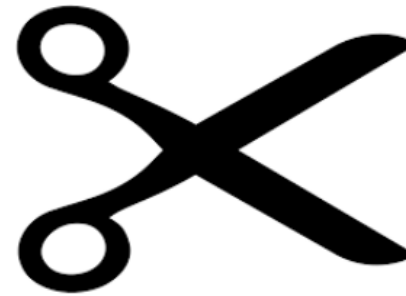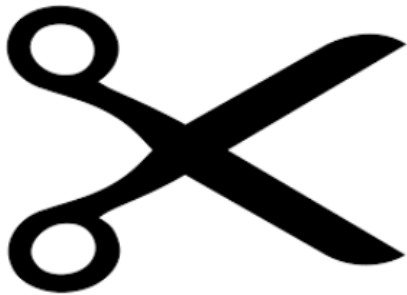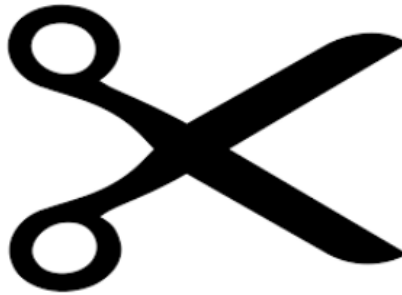
It's getting hot in here.

Put the pictures in order based on what would happen to each item if heat was added to them.

| 1 | 2 | 3 |