

Year 5 Science Activities

Help Cook Dinner

Observe and list any of the ingredients that change form during cooking. For example; butter melting in the pan.

Heavy Balloon

Click on the link and watch the video:
<https://www.youtube.com/watch?v=QQsybALJoew>
Try out the balloon experiment yourself to determine if air has mass.

Fizzy Balloons

Materials:

- Small Plastic Bottle
- Balloon
- Funnel
- $\frac{1}{4}$ cup measure
- $\frac{1}{2}$ teaspoon measure
- Vinegar
- Baking soda

Changing Matter

Click on the link and watch the video:
<https://www.youtube.com/watch?v=EwzkYTFHFbo>
Watch to 3:15 then rewind to 2:04 and record the diagram.

Colourful Sugar

Materials:

- 4 teaspoons of sugar
- 20 teaspoons of water
- Food dye
- Bowl
- Sunny spot

Steps:

1. Stir the sugar into the water until it dissolves (disappears).
2. Add a few drops of food dye.
3. Leave the bowl in a sunny spot for a few days.
4. Record what happens.
5. Draw a diagram of your experiment and identify the solids, liquids and gasses.

Steps:

1. Record your observations of the chemicals.
2. Predict what you think will happen.
3. Pour a $\frac{1}{4}$ cup of vinegar into the empty bottle.
4. Use a clean, dry funnel to pour 2 teaspoons of baking soda into a balloon.
5. Stretch the balloon over the top of the bottle being careful not to tip the contents into the bottle.
6. Lift the balloon and dump its contents into the bottle. Observe what happens!
7. Draw a diagram of your experiment and identify the solids, liquids and gasses.

Recycling

Click on the link and watch the video:
<https://www.youtube.com/watch?v=6R8YObQbE88>
Record how glass is recycled and how it changes form during the process.