

Bubbling yeast

Concept—Food energy

CURRICULUM LINK:

Science Curriculum—Living Things strand

Experiment

You will need:

- Dried yeast
- Glass bottle
- Sugar
- Balloon
- Jug
- Bowl

1. Mix 2 teaspoons of yeast with 2 tablespoons of warm water in the jug.
2. Stir in a teaspoon of sugar.
3. Pour this yeast mixture into a glass bottle and stretch the balloon over the neck of the bottle.
4. Stand the bottle in a bowl of warm water.
5. Watch the balloon inflate!

Yeast is a microbe that needs food and heat to live. The yeast feeds on the chemical energy stored in the sugar and produces carbon dioxide, which inflates the balloon.

