

# Multiply The Fruit Fly:

**Lure and build your own container that allows you to observe fruit flies. Craft your container so that multiple generations can thrive. Start with only a few flies.**



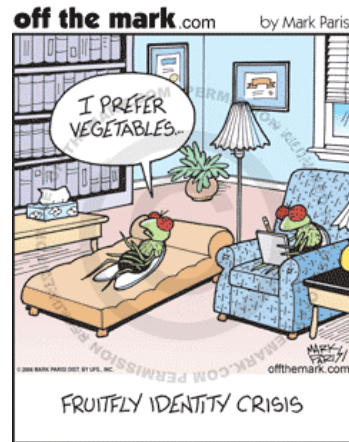
What do you think fruit flies need to reproduce?

**Predict and prove beyond a reasonable doubt how many different stages of development a fruit fly goes through to become an adult. Hint: there are at least 3!**

- When did you observe different stages of development?

## Materials:

- Jars of varying sizes
- Ripe fruit
- Magnifying glass
- Tape
- Others
  - You must invent a top to your jar that ensures they do not escape



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## In two weeks:

- Journal about why you think your experiment was successful or unsuccessful. What would you change? What worked well? And what did you learn about fruit fly reproduction?
- Design a poster that shows the lifecycle of a fruit fly with a time scale.

## Extra Credit:

- Assuming that our containers can support unlimited generations of fruit flies, how long could we feed a frog that ate 10 fruit flies/day if we only had 100 flies to start with?