

### Potato germ experiment

**Time:** 30+ minutes

#### Materials

- Prediction worksheet
- 4 sandwich bags
- Marker
- Wax paper
- 4 potatoes
- Plastic glove

#### Instructions

- Using the marker, label the bags as follows:
  - #1: Handled
  - #2: Rubbed on \_\_\_\_\_ surface
  - #3: Blown on
  - #4 Control
- Lay the wax paper out on the table and lay 4 slices of potato on it (ask an adult to help slice the potato) Important: Do not touch the potatoes yet!
- Pick up 1 slice of the potato with your bare hands. Ask your family members to pass around, then place it in bag #1
- Put on the plastic glove, take another slice of potato and rub it on a surface in your kitchen such as the counter top, the sink, the table or the floor. Then, place the potato slice in bag #2 and label the surface you used.
- With the glove still on, take another potato slice and blow on it for ten seconds. If you have family around, ask them to blow on it too! Place the potato in bag #3.
- With the glove, take the remaining slice of potato and simply place it in bag #4. This slice has not be touched, rubbed against any surfaces or blown on.
- Place all bags in a dark cabinet for 1 week then answer the prediction work sheet
- After 1 week, observe the bags and answer the follow up questions.

Adapted from [Education World](https://www.educationworld.com) (<https://www.educationworld.com>).