

## ***“One Bad Apple Spoils the Bunch”***

You’ve probably heard of germs. But do you know exactly what they are? “Germs” is the everyday word that refers to bacteria, viruses and protozoans that make you sick.

### Procedures

1. Dip one of the sewing needles in rubbing alcohol to sterilize it.
2. Stick the sterile needle into the rotten spot of the rotten apple.
3. Stick it immediately into one of the good apples.
4. Tie a string around the stem of the good apple so you can identify it later.
5. Throw away the rotten apple.
6. Sterilize the second needle in the same way as the first.
7. Stick it into the second good apple. (This apple will serve as a control in this experiment to insure that sticking an apple with a sterile needle will have no effect on the results.)
8. Place the two good apples in a warm place and check them daily. The apple with the string should develop a rotten spot; nothing should happen to the control apple.
9. When you stuck the needle in the rotten spot on one apple, then into the good apple, the needle transferred the bacteria from the rotten spot.
10. The same thing can happen with people. If your friend has the flu, and coughs near you, it’s possible that the cough can pass the bacteria to you, and that can make you sick.

