

## Unit 3 - Activity 2

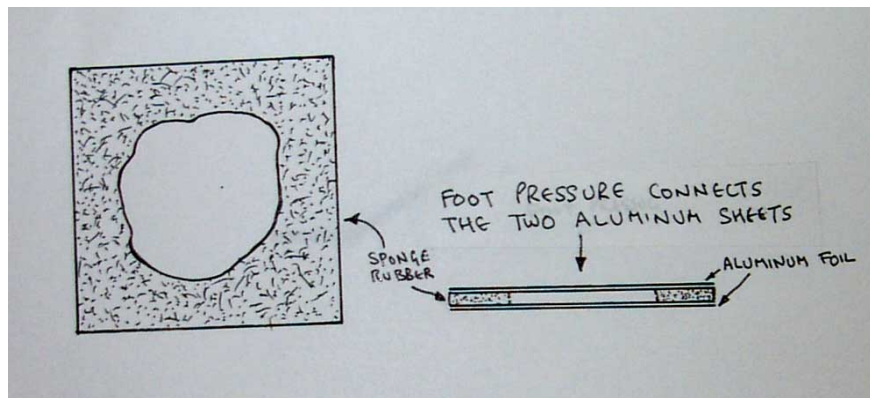
### Create an Alarm System

Can you create a sound alarm system that contains a switch that cannot be seen, and sets off a buzzer?

Materials you will need:

- a test circuit
- thin sponge/foam rubber
- aluminum foil
- a buzzer

- 1) Take a rectangular piece of thin sponge/foam and cut a hole in the center.
- 2) Cut two pieces of aluminum foil the same size as the sponge/foam.
- 3) Place the two pieces of aluminum foil on each side of the sponge/foam, just like a sandwich.



- 4) Connect the circuit to the two pieces of foil. When one piece of foil touches the other it will complete the circuit.
- 5) Put a small mat on top of the alarm switch.
- 6) When someone steps onto the mat they flatten the sponge and connect the circuit. This sets off the alarm.

### ⇒ Portfolio

Reproducible portfolio pages are provided in the Appendix.

## ◇ Vocabulary

Make a list of all the new words you have learned. These are some of them:

switch

buzzer

pressure

Are there any other new words that you have learned?

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