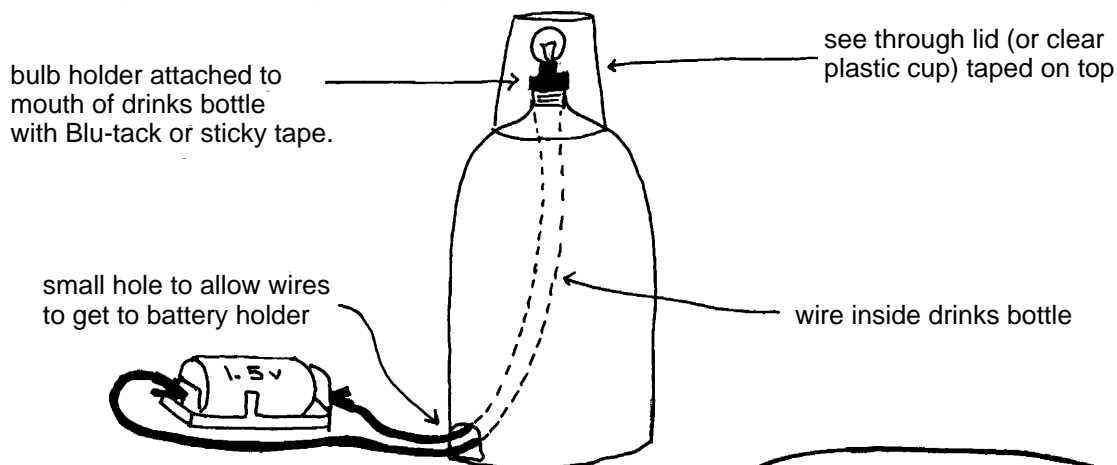


Make a lighthouse

What you need:

Large plastic drinks bottle, battery (1.5 volt) in battery holder, bulb (1.5 – 2.5 volt) in bulb holder, two plastic coated wires with bare ends, sticky tape, Blu-tack, transparent lid of a hair spray or toothpaste can, or a clear plastic cup.

Make your model lighthouse using the diagram and labels below to help you.



Does the bulb light?
If it does not, carefully
check your circuit.

Draw a circuit of your lighthouse using circuit **drawings**:



Modify your model lighthouse to make the bulb flash on and off like a real lighthouse. Which component will you need to add?

Draw a circuit of your flashing lighthouse using circuit **diagrams**:

EXTRA!

Using books or CD-ROM find out what causes the light to move in a lighthouse.

Why would it be difficult to get the bulb to move in your model?