



# Magnifying drops

Notes for Parents and Carers

This activity calls for careful observation.

The first activity does not give magnification, but the other ones do.  
Once your child has found out how to make good magnifying drops, they can use them in different ways.

**It is valuable to let your child choose what they would like to look at for themselves.**



## Science and Technology

Name: \_\_\_\_\_

# Magnifying drops

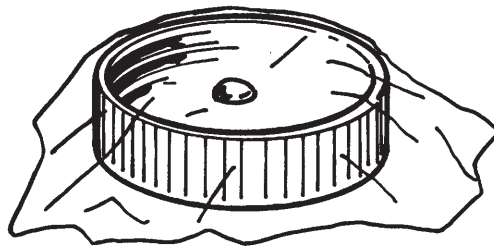
### **You will need:**

*a shallow screw-top lid*

*a transparent plastic bag*

*~ Put the lid upside down in the plastic bag, on a flat table.*

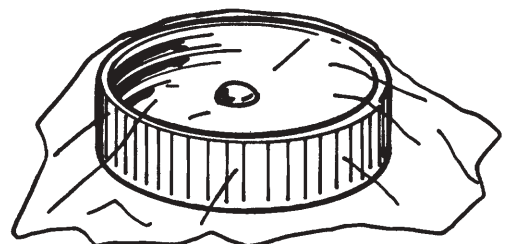
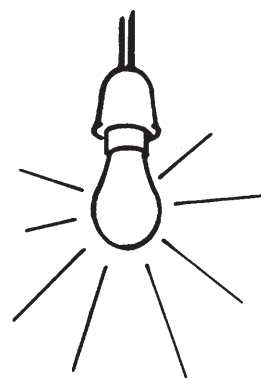
*~ Shake a drop of water on top of the plastic.*



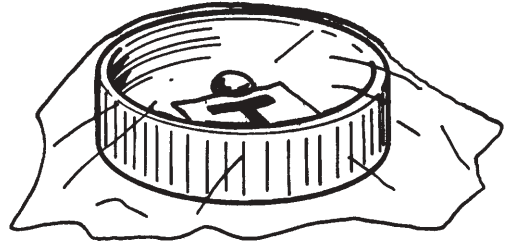
*~ Stretch the plastic tight.*

*~ Put it underneath a light.*

*What can you see in the lid now?*



- ~ Write the first letter of your name on a small piece of paper.
- ~ Put it in the lid.
- ~ Put the lid back inside the plastic bag **with a drop on top.**
- ~ Look at the letter through the drop.



Is it bigger or smaller?

### **Now try to find the best magnifying drop.**

- ~ Use bigger and smaller drops.
  - ~ Make the plastic tighter and looser.
- When is the drop the best magnifier?

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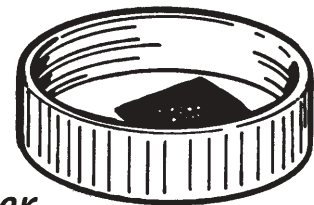


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- ~ Now cut out a small piece of dark coloured paper (or colour the paper dark blue or black).
- ~ Put the piece of paper in the lid.
- ~ Sprinkle a few grains of sugar onto the dark paper.
- ~ Put the lid back into the plastic bag **with the magnifying drop.**



**Draw the shape of the sugar grains.**

~ Now go on a hunting expedition for something interesting to magnify, like:



*a flower*



*a hair*



*the wing of a fly*

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***Draw or write about your collection.***

***Take your magnifier back to school.***