

How to make your own microscope

Materials required:

- A plastic cup
- Clingfilm/clear plastic
- Rubber band
- Scissors
- Water
- Different materials to look at

Step by step instructions:

1. Carefully cut a hole in the bottom side of your plastic cup.



2. Cover the top of the cup with clingfilm. Make sure that this is tight. Secure it with a rubber band.



3. Place sample in the bottom of the cup.



4. Pour water on top of the cling film.



5. Have a look at your sample and the differences between various materials.

To explore this concept further consider:

- Could you use water instead of something else to increase the magnification?
- How could you improve the focus of your microscope?