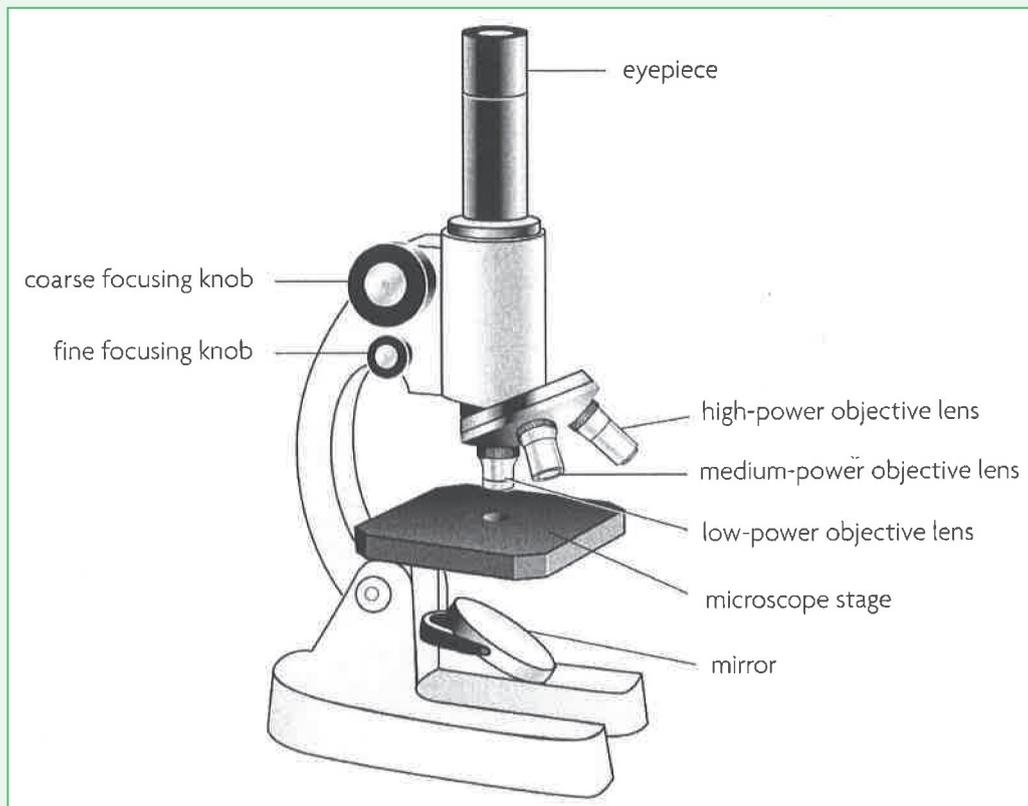


# Activity for Chapter 2

## Activity 2.1 Using a microscope

### Skills

A03.1 Using techniques, apparatus and materials



- 1 Place the microscope where plenty of light falls onto the mirror. (If your microscope has a built-in light, switch it on.)
- 2 Find the objective lenses. Swivel them around until the smallest (lowest power) one is over the hole in the stage.
- 3 Look down the eyepiece with one eye, closing your other eye. Turn the mirror around until it looks really bright.
- 4 Put a hair, or something else very small, onto a glass microscope slide. Place the slide on the stage, so that the hair is over the hole that the light comes up through.
- 5 Looking from the side, slowly turn the large (coarse) focusing knob until the objective lens is almost touching the hair. Be very careful not to let the lens touch the hair or the slide.

- 6 Now look down the eyepiece again. Slowly turn the focusing knob in the other direction, so that the objective lens moves up and away from the hair. Keep doing this until you can see the hair.
- 7 Now you can use the small (fine) focusing knob to bring the hair into clear focus.
- 8 If you want to see the hair at even higher magnification, carefully swing the objective lenses around until the next biggest one is over the hair. You can use the fine focusing knob to bring it into focus.