

# 40 See a sunset

The Sun often turns a lovely orange or red when it sets at dusk. Find out why this happens by making your own sunset. You can do this using a flashlight and a glass of milky water.

You will need:



Milk



Glass beaker of water



Flashlight



Spoon

**1** Shine the flashlight through the beaker of water. It looks white, like the Sun when it is high up in the sky.



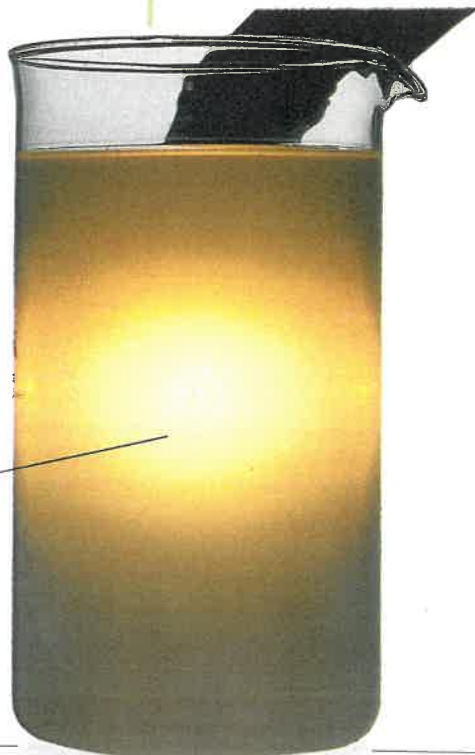
**2** Pour a little milk into the water in the beaker.



**3** Stir the water gently, so that it all turns slightly white.



**4** Shine the flashlight through the water again. Now the light looks orange-red, just like the setting Sun!



*Particles of milk in the water cut out some of the colors in the light coming from the flashlight. Only orange and red rays get through.*

## Rosy dawn and fiery dusk

When the Sun is low in the sky, in the morning and evening, its light passes through more air than at other times of day. Tiny particles in the air stop much of the Sun's light. Only orange and red light gets through.

