

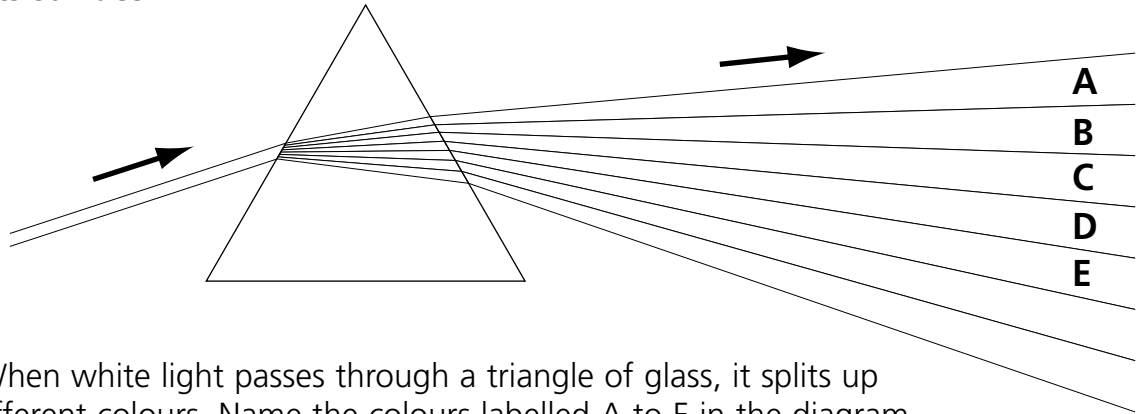


Name: ..... Form: .....

See pages 12 and 13 of *How we see things*

# Scattering and soaking up light

When light bounces from rough surfaces, some is soaked up and the rest is scattered. Unless it is black, everything around us bounces some light from its surface.



**Q1.** When white light passes through a triangle of glass, it splits up into different colours. Name the colours labelled A to E in the diagram.

A ..... B ..... C .....

D ..... E .....

**Q2.** How can you tell if one object soaks up more light than another object?

.....

**Q3.** What is a spectrum?

.....

**Q4.** Which surfaces soak up the least light? .....

**Q5.** What kind of surface scatters light in all directions? .....

**Q6.** Why do some objects appear green and other objects appear blue?

.....

.....

.....

.....

.....

.....