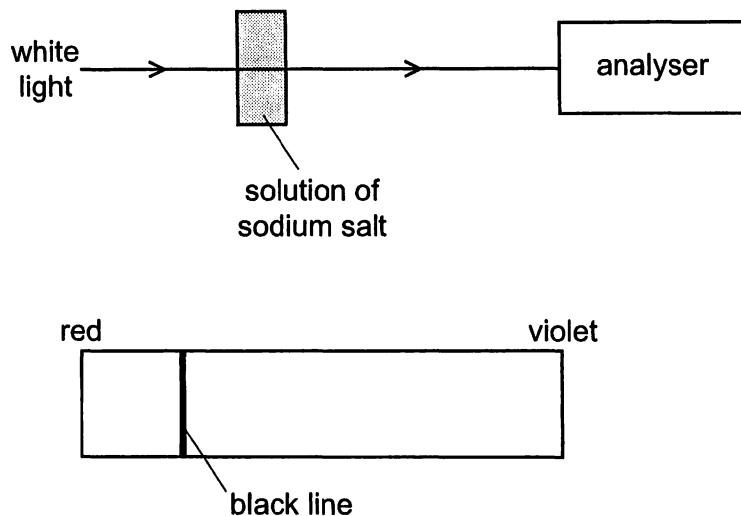


- 28 White light is passed through a solution containing a sodium salt. The light which emerges is analysed to form a spectrum.



This spectrum consists of a continuous band of colour from red to violet, with a black line in the yellow region.

Why is the black line produced in this spectrum?

- A Electrons of a particular energy are absorbed by the sodium salt.
- B Electrons of a particular energy are emitted by the sodium salt.
- C Photons of a particular energy are absorbed by the sodium salt.
- D Photons of a particular energy are emitted by the sodium salt.