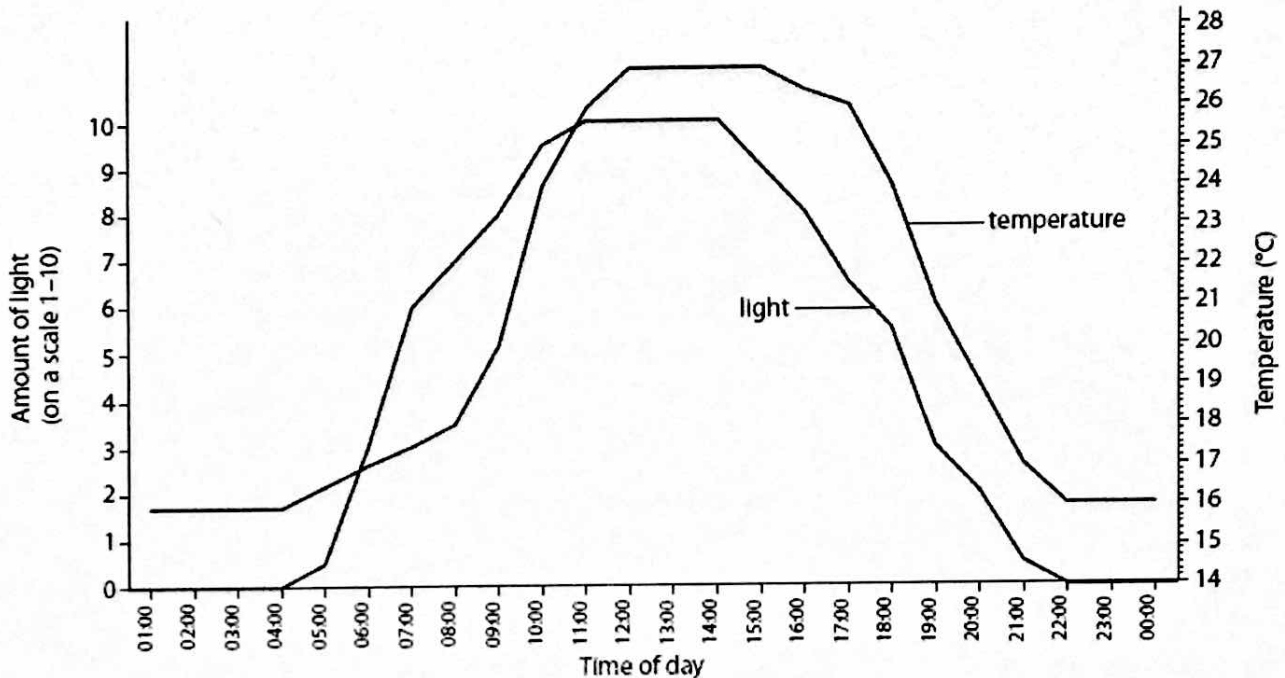


## Ecology Homework Task 3

Some pupils at a school attached computer equipment to a light meter and a meter for recording temperature. They left the meters outside for 24 hours. The graph shows their results.



The scale on the left is for the amount of light. 10 is the brightest. The scale on the right is for temperature in °C.

- 1** At what time in the morning did it start to get light?
- 2** At what time in the evening did it go dark?
- 3 a** What happens to the temperature when it gets light?  
**b** Why does this happen?
- 4** Do you think these results were recorded in summer or winter? Explain your answer.
- 5** Look at the following information about animals that were found in the school grounds. For each animal say between what times of day you would expect to see them.
  - a** Crows visit dustbins when it is light.
  - b** Slugs move around and feed on plants when it is dark.
  - c** Foxes come out to look for food when the Sun has almost set (dusk). They go back to their dens just after dawn.
  - d** Bats are only active when it is dark.
  - e** Squirrels can be seen scampering around the grounds when it is quiet and there is sunlight.
- 6** Which of the animals in question 5 are nocturnal?