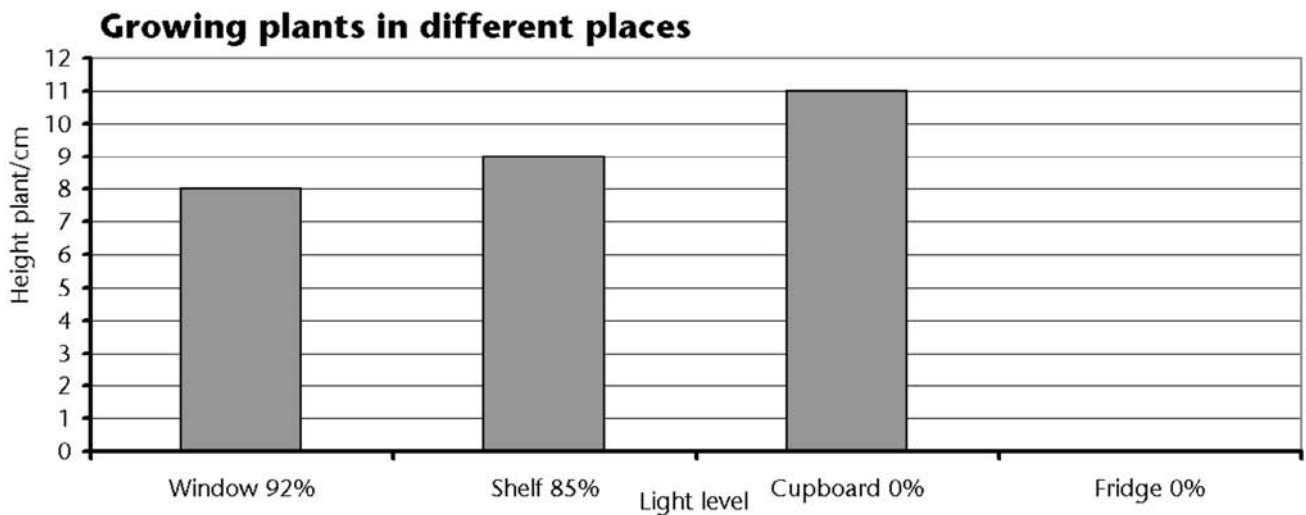


Growing plants in different places

Class 3 wanted to see how light affected plant growth, so they planted some bean seeds in a germination sandwich and watered them every day.

They put the frames in different places: one on a windowsill in the light, one at the back of the classroom, one in a cupboard and one in a fridge. They used a datalogger and light probe to measure the light in each place at midday.

After two weeks they measured the height of each plant.



They also observed what the plants looked like.

Place	Appearance of plant
Window	Green shoot, two healthy leaves, long roots
Shelf	Green shoot, two healthy leaves, medium roots
Cupboard	Thin yellow stem, curly yellow leaves, medium roots
Fridge	No growth



Questions

1. Where did the tallest plant grow?
2. Was the tallest plant the healthiest plant?
3. Can you explain scientifically why this plant had the greatest height?
4. In which two places did plants grow to a similar height?
5. Suggest a reason why they grew to a similar height.
6. The plant in the window had the longest roots. Why do you think this was?
7. What did the children have to do to make this as fair a test as possible?
8. Do you think putting a plant in the fridge allowed a fair test?
9. Explain your answer to Question 8.