


Four Science Questions for your enjoyment!

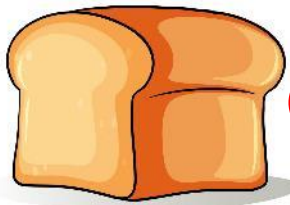
Here is an old type of bicycle called a penny farthing. When it is being ridden along which statement is true?

- A: both wheels are going round at the same speed
- B: the front wheel is going faster than the back wheel
- C: the back wheel is going faster than the front wheel



The back wheel has to go round and round more times to cover the same distance as the front wheel

If you make bread from flour, yeast, water and a little oil some recipes suggest adding some sugar. Why do you think this is?



- A: so it tastes nicer
- B: so the bread rises more
- C: so you get more energy from eating it

The yeast feeds on sugar, a process called fermentation makes carbon dioxide gas and this is what causes the dough to rise.

A bus uses much more fuel than a car. Why are busses better for the environment than cars?

- A: they cause following traffic to go slower
- B: a bus carrying 20 people uses less fuel than 20 cars
- C: they can carry your shopping easily



An ant is sitting on a bicycle wheel. Inside the rim, not on the tyre so he won't get squashed! As the bike goes along which is true:

- A: the ant goes further than the rider
- B: the ant and the rider go the same distance

The ant has to go round and round in circles and well as along the road. The rider just goes along the road in a straight line.

On sailing ships there was a look out positioned up a mast in the crow's nest. Why was this crow's nest at the top of the mast?

- A: So the horizon became farther away for the sailor in the crow's nest
- B: So the sailor could see the curvature of the Earth
- C: So the sailor would be out of harm's way



An person who lived in ancient Greece called Thales worked out that the higher above the water we are the further we can see. Up higher you can see land or pirates from further away.