

WESTGATE SCIENCE CLUB

1

October 2010



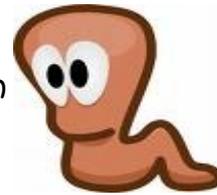
making science cool

Slugs have four noses but only one foot.

Worms can eat their own weight in food in a day.



There are about 2000 different types of bees in the world, but only four can make honey. Bees never sleep.



Spiders have eight legs and each leg has eight joints. Not all spiders spin webs. Some spiders have eight eyes.



Science

There are more different kinds of fish than any other kinds of animals and birds put together.

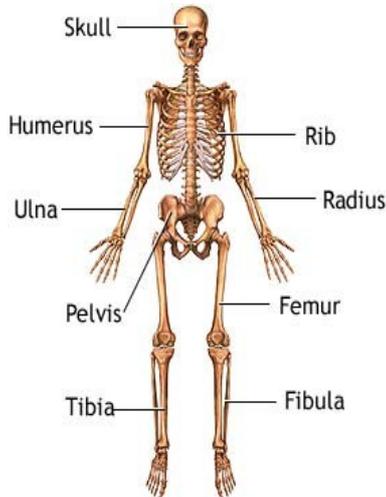
The body of a jellyfish is 90-94% water, and a group of jellyfish is called a 'smack'.



Do you know how many bones you have in your body? 175 or 206 or 300?

If you could drive to the sun -- at 55 miles per hour -- it would take about 193 years, but light from the sun takes about 8 minutes to reach the earth. Just the right distance for life to exist. Approx 93 millions miles, that's a long way!

Did you know that there are 206 bones in the adult human body and there are 300 in you (as you grow some of the bones fuse together).



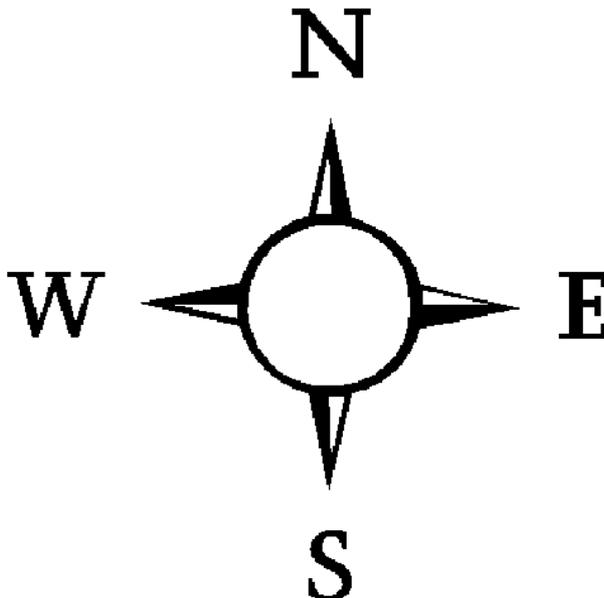
Every human spent about half an hour as a single cell.

It takes 17 muscles to smile --- 43 to frown.

The brain is soft and gelatinous - its consistency is something between jelly and cooked pasta.



It takes the body around 12 hours to completely digest eaten food.



Ask mum or dad or a friend to write down the number 37037. Then ask them to multiply it by any single number between 1 and 9 ask them the single digit number and you remember it.

Then when they have the answer they multiply that answer x 3 and ask them not to tell you what that answer is.

They are allowed to use a Calculator.

Then you can tell them you will try and guess what the answer is. It will be all the numbers the same as the single digit number you remembered. You're clever!

Human bones are 25% water.
95% of a tomato is water.

Approximately 66% of the human body consist of water.

Water exists in all our organs and it is transported throughout all our body to assist in its workings

Human brains are 75% water. WOW!

What is the first name of the scientist who gave us Newton's 3 laws of motion ?

Coded answer ...JTBBB

A galaxy consist of millions and millions of stars, our earth is situated in a galaxy which we can see on a clear night as a mass of faint stars looking like a mist, what is the name of our galaxy ?

Coded answer...the road to the white stuff we drink!

At room temperature what is the only metal that is in liquid form?

Coded answer...first planet from the sun.

The Compass Bearings

N = North

E = East

S = South

W = West

With your parents or guardian go somewhere where you can see the horizon.

Which direction does the sun rise?

Answer...

Which direction does the sun set?

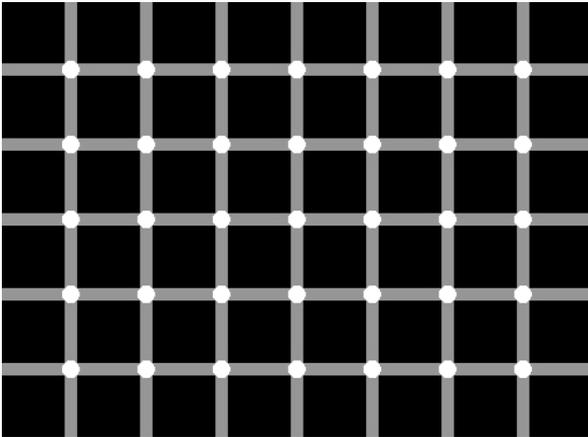
Answer...

Which direction do you think the sun will be at around midday?

Answer...

THIS IS AN OPTICAL ILLUSION
Your eye is not sure what it sees!

HOW MANY WHITE DOTS AND HOW
MANY BLACK DOTS ?



View slide show and list of experiments we did at
our opening on 10th September

at www.westgatescienceclub.org.uk

Slide show and photos on the 'contacts' page

WESTGATE SCIENCE CLUB

check out...

www.westgatescience.org.uk

Friday 10th Sept

Friday 8th Oct

Friday 12th Nov

Friday 3rd Dec

Start 7 pm - finish around 8.15 - 8.30 pm

Special Event date:

Met Office Visit Sat 6th Nov

details to follow

Westgate Church Building

(opposite The Picture House),

Bartholomew Street West, Exeter - EX4 3AJ

phone Mike Coles Exeter 253064

Naomi Patkai Exeter 466251

e mail westgatescienceclub@gmail.com

photos of our club on the website

lots of on-line puzzles

**Making Science Cool
for Primary School Children
aged 7 yrs +**

On a clear night have a look outside and see what looks like a bright 'star' towards the East approx one third way up in the sky. Actually this isn't a star it's the planet JUPITER shining brightly. Jupiter has many moons but 4 are bright. Write down here the date and time you saw the planet. Through a small telescope it would look like this, though the moons may be in a different position.



On September 22nd/23rd the amount of daylight and darkness was the same = 12 hours each. It's called the 'Autumn Equinox'. From this date on the days get shorter and the nights get longer. Can you find out what date is 'the shortest day' ? And when is the next 'Equinox' ? Write it down here

ISS - the International Space Station - Looks like a very bright moving star. Often you can view this in the sky over Exeter. Check out www.westgatescienceclub.org.uk and go the 'Astronomy' page for the dates and times to view.

----- check these out...with coded answers

'What did one eye say to the other?'

!sllms su neewteb gnihtemos

'Why did the turtle cross the road?'

!noitatS llehS eht ot teg ot

Why didn't the chicken skeleton cross the road?

!stug hguone evah t'ndid eh esuaceb

Ice sinks in water—True or False ?

staolf ti...