



making science cool

Your Nose

...helps you to breathe...it's the organ of smell...and the nose is the channel for quiet breathing...



It consists of 2 parts divided by the 'septum'

The inside of your nose is like a chemical laboratory for smelling. It has the power to smell even extremely small amounts of odour.

Odours are actually tiny particles, or molecules, of gas that travel through the air and into your nose.

In the highest part of your nose, these molecules touch a group of nerves called the olfactory nerves, which carry the 'odour' message to the brain.

Your brain can store, recognise, and remember tens of thousands of different smells like perfume, bad eggs, and smelly socks.

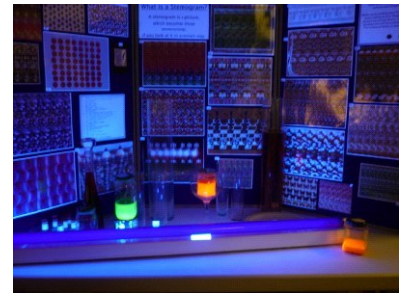


W	A	O	H	T	U	O	S	A	T	U	R	N
T	E	U	I	E	P	N	I	E	N	O	E	U
D	D	S	S	A	P	M	O	C	F	S	T	I
A	L	L	T	S	E	Y	L	N	R	G	E	A
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D	N	B	U	L	C	D	V	I	S	O	E	H
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A	R	C	M	K	N	R	E	S	G	T	O	L
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M	H	D	T	O	T	O	M	U	M	L	O	U
C	S	W	I	T	C	H	U	S	I	E	O	D
V	C	S	P	M	A	K	I	N	G	E	L	V
T	R	A	E	C	E	B	M	Y	D	T	T	C

WESTGATE SCIENCE CLUB EXETER FRIDAY
 MAKING SCIENCE COOL FOR KIDS CHEMICAL
 SWITCH BATTERY VOLTS AMPS OHMS SOUND
 QUIET DECIBELS MAGNET NORTH SOUTH
 EAST WEST COMPASS SATURN

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Some of our Displays shown under U V LIGHT with 3 jars of 'GLOW WATER'



What does UV stand for ?



One of our previous experiments showing the effect of DRY ICE being mixed with warm water

What temperature was the DRY ICE before it was put in water?

- A - Freezing at 0 C
- B - 32 degrees F
- C - minus 40 C
- D - minus 78 C

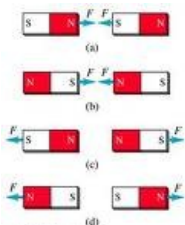


On 23rd September the sun will rise in Exeter 07:01 and will set 19:11. This day is called THE AUTUMNAL EQUINOX.

The length of night and day across the world is nearly equal, ie 12 hours.

You can see all times of sunset, sunrise, moonset and moonrise for Exeter at www.westgatescienceclub.org.uk on the Astronomy page.

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MAGNETS

Usually made of Iron, steel-iron, nickel, cobalt.

Magnets can be any shape

A magnet's pull is strongest at two points - north and south poles.

The first magnets were called 'lodestones'

Magnetic attracts only magnetic objects.

'Opposite poles attract'

'Same poles repel'

The earth is a giant magnet

The earth's magnetic field is like a bar magnet in the centre.



North Pole is Red & South Pole is Blue

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The strongest magnets are NEODYMIUM

Which of these are attracted to magnets:

Wood, Paper, Brass, Aluminium, Steel nails, Copper, Plastic, Glass, String, Gold, Aluminium foil, Cardboard, Tin, Water, another magnet.

What is an AMOEBAE ?

- A - A disease
- B - An animal made of only one cell
- C - A fish that lives at the bottom of oceans
- D - A type of gas found only on the planet Jupiter

What have the following in common ?

Radio, Radar, Infrared, Visible light, Ultra Violet rays, X rays, Gamma rays.

- A - They are all invisible
- B - They are all a type of gas
- C - They are belong to the Electromagnetic Spectrum
- D - They are all man made

Where do we find 'rods and cones' in our body ?

- A - Parts of the knee
- B - Parts of the stomach
- C - Parts of the elbow.
- D - Parts of the eye.

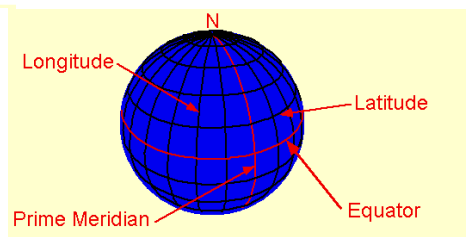
Where are we?

in comparison Exmouth is 50.37 north / 03.25 west

in degrees:

EXETER
Latitude 50.43 north

Longitude 03.31 West

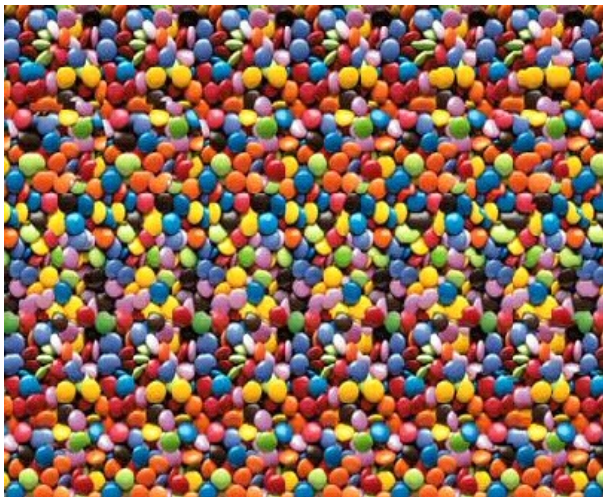


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Check this out ...

1. True or false - water is easy to compress.
2. What is made up what 2 elements
3. What is the longest river on earth
4. True or false - ice sinks in water
5. The solid state of water is called ?

MAGIC EYE TRICK PICTURE.
Lots of smarties but how many
separate groups of smarties.



All answers to questions in this booklet see
www.westgatescienceclub.org.uk
then go the Physics Page.

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WESTGATE SCIENCE CLUB

For dates, times & other events see website

The Science Club is held at the 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

Autumn 2011 dates - Fridays -
9 Sept, 7 Oct, 11 Nov, 2 Dec
For future dates & events see website



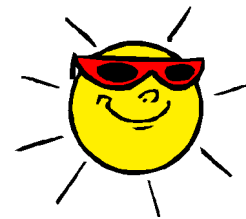
Making Science
Cool
for Primary School
Children
aged 7 yrs +

View slide show of our Opening in September 2010.
See what experiments we did on other club evenings.

at www.westgatescienceclub.org.uk
Slide show and photos on the 'contacts' page

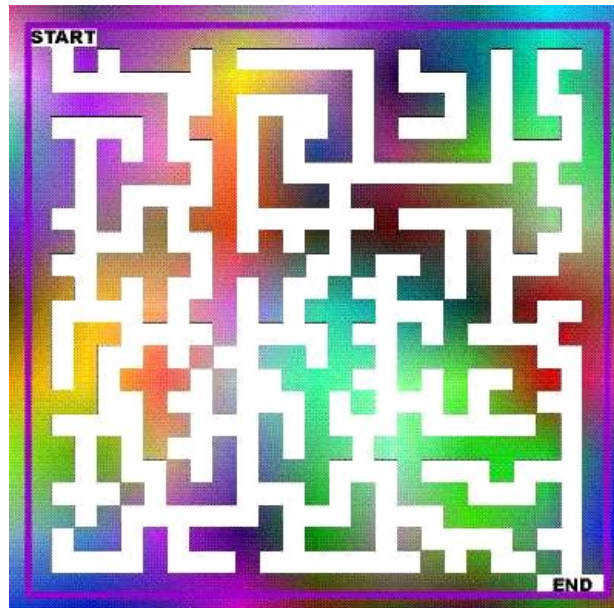
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1. What is known as 'a ship in the desert:'
A Cat, B Cheetah, C Camel, D Rabbit
2. Which instrument that measures temperature:
A Hydrometer, B Thermometer,
C Gyrometer, D Barometer
3. The 4th planet from the sun is:
A Earth, B Jupiter, C Venus, D Mars.
4. The planet closest to the sun is:
A Mars, B Venus, C Mercury, D Earth.
5. The blanket of air that surrounds the earth is called the:
A Atmosphere, B Blogosphere,
C Hydrosphere, D Megasphere
- 6 Which of the following things are powered by electricity:
A tree branch, B light bulb, C remote control car, D games consol.



- What's special about Friday 23rd September?
 A day & night are of equal length
 B the sun rises at 8 am. C the sun and the moon are in line.
 D the moon is furthest from the earth

**Sunrise
East**



**Sunset
West**