

SCIENCE ARTICLES





Science and Technology

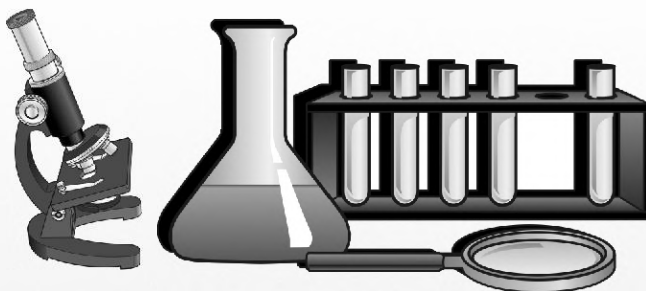
Shreyas Rajesh Lahore

V th C

You don't need to walk into a laboratory to see science in action. Science is all around you, everyday of your life. There are three main kinds of science. The science of the natural world - plants and animals is called Biology. The study of what things are made of and what happens when they are mixed together is chemistry. The third science, physics, is about how everything in the universe works.

The world of physics includes the study of machine. Machines help us to perform tasks using less effort. For example, one of the first machines, the wheel, makes it easier to move things from place to place. From scissors to smoke detectors, machines are all around us, making our lives easier and safer.

Science and technology also help us in these ways. Because of them, we can grow intellectually and distribute food cheaply, manufacture clothing and household goods in huge quantities, treat illnesses of all kinds, and travel from place to place quickly.



Why is Gravity in Space not the same as on Earth ?

Yogesh Thakur

Every object in the universe pulls on every other object. This is called gravitation or gravity. But the strength of that pull of gravity depends on two things.

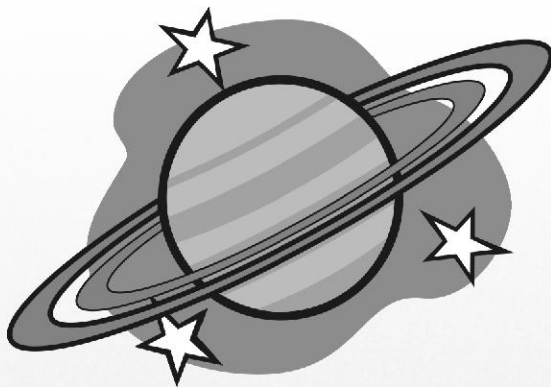
First, it depends on how much matter a body contains. A body (object) that has a lot of matter has a lot of gravitation. A body that has very little matter has very little gravitation. For example, the earth has more matter than the moon, so the earth's pull of gravitation is stronger than the moon's.

Secondly, the strength of gravitation depends on the distance between the bodies. It is strong between bodies close together. It is weak between bodies far apart.

Now let's take a human being on earth. The earth has more matter than the human being, do its gravitation pulls him to the earth. But the earth behaves as if all of gravity is at any place, therefore, depends on the distance from the earth's centre.

The Strength of gravity at the seashore is greater than at the top of a mountain. Now, suppose a human being goes some distance up into the air, away from the earth. The pull of the earth's gravity will be even weaker.

When man goes out into space, he is away from the earth's gravitation field. There is no pull on him. He is in a condition of weightlessness. And this is why, in space and space capsules, weightless astronauts and objects float about in the air.



Health and Wellness

Archana Raiborde

Staying healthy and well is all about feeling good and being physically able to do things you want to do. And this is very important part in the life of our children to be healthy for being smart, attentive and active in school. It also reflects their regular presence and active participation in academic and non-academic activities.

It sounds easy, but is not always possible. There are some simple steps that we can take to be healthy and well.

- 1) **Keep Clean** : Most common illness like cold and the cough are spread by person to person contact. You should wash your hands for at least 20 seconds with soap and water each time that you play outside, cough or sneeze, play with pets or go to the bathroom. You should also wash your hands before you eat. Keeping clean also means brushing your teeth twice a day as by doing this you will keep your teeth white and your smile right. Keeping clean also means taking bath daily, wearing clean clothes, cutting nails regularly and by keeping your surrounding clean.
- 2) **Eat Right** : Eating right things at right time will help your body grow healthy and strong. It also helps you to fight off any illness or infections. Eating right things can make a big difference in the way you look and in the way you feel.
- 3) **Exercise** : Whether you choose to play, football, baseball, go swimming, run around the block or fly a kite, it is important that you do some exercise every day.
Exercising helps you to build a healthy body with strong bones and muscles that will help you to build your confidence, improve your personally and always keep you active to carry out any difficult task.



Amazing Facts 

Science Poem

Yash Daterao
VIII th B

We don't want to see
Our parks turn into junkyard
Soon we will have no room to play
The trash we throw each day
It adds up to a mountain
Blotting out the beauty of the earth
Lets reduce, throw less rubbish
Lets reuse, use it in a new way
Lets recycle, make it into something new
That's 3 Rs formula for me and you.
Every boy and girl
Can stop this junk from spreading
Helping us to save our world
In every thing we do
Remember don't be wasteful
Make use of the 3 Rs formula too

Answers

- | | | |
|--------------|--------------|--------------|
| 1) Crocodile | 2) Amoeba | 3) Baboon |
| 4) Crab | 5) Lizard | 6) Flatworms |
| 7) Bat | 8) Flatyplus | 9) Kiwi |
| 10) Shark | 11) Kangaroo | |





Extinct Animal Facts

Samruddhi Manoj Deshmukh

VI th A

While there are over two million animal - species in existence today, the facts is that hundreds have gone into extinction.

- 1) The Tyrannosaurus Rex went extinct 65 million years ago. It was one of the largest animals. It measured up to 43.3 feet in length and 16.6 feet in height. It weighed approximately 7 tons.
- 2) The Quagga was a half zebra half horse animal. Which went to extinction in 1883. This animal had zebra stripes in front part of the body, which could fade and become brown at the end. It was on 12th August that the last Quaggas died at the Artis Magistra Zoo.
- 3) Irish deer is the largest deer to have ever existed. It went to extinction approximately 7,700 years ago. It was native animal of Eurasia. It had extra large antlers measuring upto 3.65 meters. The antlers weighed about 90 pounds.
- 4) Aurochs was a large sized cattle - species. It is recorded to have gone into extinction in 1627. It is said this cattle evolved from India, migrating to the Middle-East, reaching Europe.
- 5) The Coheir is a small headed sea bird that once lived all along the costs of Bermuda, were thought to be extinct for 330 years. But in 1981, January 8 the bird was rediscovered by a British Scientist, David wingate.
- 6) Mountain Pygmy Possum, the small marsupial was considered to be extinct for 30,000 years until a doctor caught one in his kitchen, in Australia, 1966. Three more were then discovered in 1970.
- 7) Dibbleu, the marsupial mouse who was thought to be extinct since 1884 till 1967. When an Australian naturalist caught one in a trap. By luck, it was a female who then gave birth to 8 little ones, since then they have been kept in captivity.



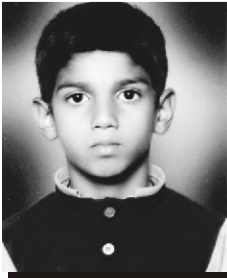


Moments

Sameer K. Chhabada
VII th A

Most irritating moment	-	Morning alarm
Most difficult task	-	To find socks
Most dreadful	-	Way to class
Most lovely time	-	Meeting friends
Most tragic	-	Test in first class
Most wonderful news	-	Teachers is absent
Most relaxing area	-	Canteen
Worst moment	-	Mark sheet in hand

Student life is the best it never comes again so enjoy it.



Interesting facts about Water

Vedant Anwekar
VI th B

- 1) Water boils quicker when on top of a mountain than at a beach.
- 2) Raindrops are actually shaped like a hamburger bun.
- 3) Sea water is slightly more acidic than most natural fresh water.
- 4) It takes about 7 times as much energy to turn boiling water into steam as it does to heat water at room.
- 5) Distilled water is more pure than rain water.
- 6) Condensation is water coming out of air.





Amazing Facts

Falgun Meshram

VII th B

- 1) If you are struck by lightning, your skin will be heated to 28,000°C degrees centigrade, hotter than the surface of the sun.
- 2) If you dig a well to the centre of the Earth, and drop a brick in it, it would take 45 minutes to get to the bottom - 4000 miles down.
- 3) The Hawaiian Alphabet has only 12 letters.
- 4) Every time you sneeze your heart stops a second.
- 5) A flamingo can eat only when it's head is upside down.
- 6) All babies are colour-blind when they are born.
- 7) There are 158 verses in the Greek national anthem.
- 8) About 75 acres of pizza are eaten in USA everyday.
- 9) USA uses 29% of the world's petrol and 33% of world's electricity.





Riddles Amazing Animals

Yash Bhalgat
VII th A

- 1) An animal that never stop growing.
- 2) An animal that is indestructible.
- 3) A monkey that is dog - faced
- 4) A creature that can grow a new leg.
- 5) An animal that can drop its tail.
- 6) A creature, when cut, can regrow.
- 7) Half bird and half animal.
- 8) A mammal that lay eggs.
- 9) A bird that has no wings.
- 10) A Fish always having a pilot fish.
- 11) An animal that does not drink water in its whole life.





Amazing Facts

Rahav Somani
V th A

- 1) The chameleon can focus its eyes to watch two objects at once.
- 2) Weight of blue whale's tongue is equal to total body weight of an elephant.
- 3) A cockroach can live several weeks with head cut off.
- 4) The only two animals that can see behind itself without turning its head are Rabbit and Parrot
- 5) Butterflies taste with their feet.
- 6) Lobster has blue blood.
- 7) Dolphin sleeps with one eye open and ants do not sleep at all.
- 8) A horse can sleep standing up.
- 9) Golf is the only sport that has been played on the moon on 6th February 1971.
- 10) It is impossible to sneeze keeping your eyes open.
- 11) Humming birds are the only birds that can also fly back wards.
- 12) A giraffe can clean its ears with its 21 inch tongue.
- 13) Human thigh bones are more stronger than concrete.





The world of Vegetables

Sairi Mangesh Wankhade

V th A (Lily)

You know that most of our food come from plants. We eat leaves, roots, seeds, stems and other parts of certain plants. These nutritious foods are called vegetables. We eat vegetables raw or cooked, and use them as part of a main meal.

Vegetables are used in curries, salads, soups and snacks. Vegetables are important part of a healthy diet. They are excellent source of vitamins. Have you got a vegetable garden at your backyard? Home gardening can help reduce food cost, produce high quality vegetables and provide fun. Vegetables grown in gardens include beans, yam, cucumber, spinach and tomato.

Plant parts used as vegetables.

Vegetables can be grouped according to the part of the plant from which they grow. Plant parts eaten as vegetables include bulbs, flower buds, fruits, leaves, roots, seeds, stem and tubers.

Bulbs : Consist of many fleshy leaves that surround a short stem. The base of these leaves is large and grows underground, and it is the part usually eaten. Garlic and onions are bulbs used as vegetables.

Flower bulbs : The most common flower bud used as vegetable is cauliflower. The heads of a cauliflower are tight, round and white.

Fruits are seed enclosures produced by a flowering plant. Fruits of vegetable plant include cucumbers, lady's fingers, peppers, pumpkins, tomatoes and watermelons.

Leaves eaten as vegetables include those of cabbage, lettuce, mustard and spinach. Some of these vegetables are cooked, but most of them are eaten raw in salads.

Roots that are vegetables may be fibrous root or taproot. Fibrous roots branch and spread side ways. Underground sweet potatoes are enlarged, fleshy parts of fibrous roots. A tap root is the enlarged part of a root that grows straight down. Beats, carrots, radishes and turnips are seeds.

People eat the seeds of plants when they eat garden peas and sweet corn.

Stems : Support the leaves, flowers and fruits of a plant. The chief stem eaten as vegetables is colocasia .

Tubers : Most tubers are specialized kind of stem that grows underground. The main ones used as vegetables are potatoes.





More Facts to Know

Parth Ravishankar Kesharwani

V th B (Lily)

- 1) Antarctica is the only continent without reptiles or snakes.
- 2) An eagle can kill a young deer and fly away with it.
- 3) In the Caribbean there are oysters that can climb trees.
- 4) Intelligent people have more zinc and copper in their hair.
- 5) The world's youngest parents were fo age 8 yrs and 9 yrs and lived in china in 1910.
- 6) The youngest Pope was 11 years old.
- 7) Mark twain graduated from elementary school.
- 8) Proportional to their weight, men are stronger than horses.
- 9) Pilgrims ate popcorn at the first thanks giving dinner.
- 10) They have square watermelons in Japan.
- 11) Iceland consumes more coca-cola per capita than any other nation.
- 12) It is possible to lead a cow upstairs but not downstairs.
- 13) The first Fords had engines made by Dodge.
- 14) The mole can dig a tunnel 300 feet long in just one night.
- 15) Pea nuts are one of the ingredients used in dynamite.
- 16) Ancient Egyptians slept on pillows made of stone.
- 17) A hippo can open its mouth wide enough to fit a 4 feet tall child inside.
- 18) A humming bird weights less than a penny.
- 19) Every time you lick a stamp, you're consuming 1/10 of a calarie.
- 20) The average American will eat about 11.9 pounds of cercals per year.





Amazing Fun Facts

Aasthar Srivastava

VII th A

The first kind of pencil was a bunch of Graphite at sticks helped together by string. Then someone decided it would be better to push the graphite into inside of a hollow wooden stick.

Joseph Rechendorfer was the first person to think of putting a piece of a rubber on to the top of pencil which makes it real way to rub out mistakes.

Did you know that the average lead pencil can draw a line that is almost 35 miles long or you can write almost 50,000 words in English with just one pencil ? Amazing fact! Now imagine an eraser that could match it !!!

Did you know ?

- 1) The Industrial Revolution on Europe first saw the beginning of air pollution, which gradually become a major global problem.
- 2) The major air-polluting industries are Iron Steel and cement.
- 3) Of the 35-40 million tonnes of flyach generated annually by thermal power plants in India. Only 2-3 percent is productivity utilized.
- 4) Every year some 50 million cars are added to the world's roads. Car making is now the largest manufacturing Industry in the world.
- 5) In India the number of motorized vehicles have increased from 0.2 million in 1947 to 36.3 million 1997.
- 6) The number of vehicles registered in Delhi is more than the sum total of registered vehicles in Mumbai, Calcutta and Chennai.
- 7) Major contributor to Delhi's air pollution are vehicles.

