

Welcome to Roton Middle School

Science Fairs in 2011:

Roton School Fair, February 2

Norwalk School District Fair, February 7-9

Philipp Reis
1834-1874

Invented the first ever telephone.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

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

Source: www.hightechscience.org/funfacts.htm

Flea's can jump 130 times higher than their own height. In human terms this is equal to a 6ft. person jumping 780 ft. into the air.

Source: www.hightechscience.org/funfacts.htm

The most dangerous animal in the world is the common housefly. Because of their habits of visiting animal waste, they transmit more diseases than any other animal.

Source: www.hightechscience.org/funfacts.htm

Smallpox is estimated to have killed hundreds of millions of people—roughly a third of those it infected—and left millions more scarred or blind over thousands of years before a global campaign finally halted the virus by 1980. It is the only human disease ever to have been eradicated by vaccination, and its extermination is considered a milestone in medical history.

Source: Bioterror Fears Prompt U.S. to Keep Its Smallpox Cache, Wall Street Journal, 1/18/11

Snakes are true carnivorous because they eat nothing but other animals. They do not eat any type of plant material.

Source: www.hightechscience.org/funfacts.htm

The world's largest amphibian is the giant salamander. It can grow up to 5 ft. in length.

Source: www.hightechscience.org/funfacts.htm

The smallest bone in the human body is the stapes or stirrup bone located in the middle ear. It is approximately .11 inches long.

Source: www.hightechscience.org/funfacts.htm

The longest cells in the human body are the motor neurons. They can be up to 4.5 feet (1.37 meters) long and run from the lower spinal cord to the big toe.

Source: www.hightechscience.org/funfacts.htm

Intel Science Talent Search

An annual science contest for high school students that attracted 1,744 entrants this year.

- The winner receives \$100,000
- The top 10 share \$305,000
- 40 finalists get \$7,500 each and a trip to D.C.
- and 300 semifinalists each get \$1,000 for themselves and \$1,000 for their school.

Source: www.intel.com/newsroom/education

There are no poisonous snakes in Maine.

Source: www.hightechscience.org/funfacts.htm

The blue whale can produce sounds up to 188 decibels. This is the loudest sound produced by a living animal and has been detected as far away as 530 miles.

Source: www.hightechscience.org/funfacts.htm

The largest man-made lake in the U.S. is Lake Mead, created by Hoover Dam.

Source: www.hightechscience.org/funfacts.htm

The poison arrow frogs of South and Central America are the most poisonous animals in the world.

Source: www.hightechscience.org/funfacts.htm

Hedley Lamarr

1914-2000

Strikingly beautiful Hollywood star that patented a frequency-hopping radio-communications technique in 1942 that is employed in modern mobile-phone technology also had a scandalous past that included the marriage to an arms dealer with connections to Mussolini and a nude appearance in the 1933 film "*Ecstasy*."

**A new born blue whale measures 20-26 feet
(6.0 - 7.9 meters) long and weighs up to
6,614 pounds (3003 kg).**

Source: www.hightechscience.org/funfacts.htm

**The first coast-to-coast telephone line was
established in 1914.**

Source: www.hightechscience.org/funfacts.htm

**The Virginia opossum has a gestation period
of only 12-13 days.**

Source: www.hightechscience.org/funfacts.htm

The Stegosaurus dinosaur measured up to 30 feet (9.1 meters) long but had a brain the size of a walnut.

Source: www.hightechscience.org/funfacts.htm

Galileo Galilei

1564 – 1642

Italian physicist, mathematician, astronomer and philosopher who played a major role in the Scientific Revolution. His achievements include improvements to the telescope and consequent astronomical observations. Galileo has been called the "father of modern observational astronomy", the "father of modern physics" the "father of science" and "the Father of Modern Science."

Source: http://en.wikipedia.org/wiki/Galileo_Galilei

The largest meteorite crater in the world is in Winslow, Arizona. It is 4,150 feet across and 150 feet deep.

Source: www.hightechscience.org/funfacts.htm

**The human eye blinks an average of
4,200,000 times a year.**

Source: www.hightechscience.org/funfacts.htm

Skylab, the first American space station, fell to the earth in thousands of pieces in 1979. Thankfully most over the ocean.

Source: www.hightechscience.org/funfacts.htm

**It takes approximately 12 hours for food to
entirely digest.**

Source: www.hightechscience.org/funfacts.htm

Study By 8-year-olds Published in Prestigious Science Journal

Biology Letters, a peer-reviewed journal of Britain's Royal Society, on Wednesday published a report (PDF, complete with colored-pencil diagrams) on how bumblebees see colors and patterns -- conducted and written by a group of 8- to 10-year-olds in Devon, England.

Source: Associated Press 12/22/10, http://news.yahoo.com/s/yblog_thelookout/20101222/

Human jaw muscles can generate a force of 200 pounds (90.8 kilograms) on the molars.

Source: www.hightechscience.org/funfacts.htm

**The Skylab astronauts grew 1.5 - 2.25 inches
(3.8 - 5.7 centimeters) due to spinal
lengthening and straightening as a result of
zero gravity.**

Source: www.hightechscience.org/funfacts.htm

An inch (2.5 centimeters) of rain water is equivalent to 15 inches (38.1 centimeters) of dry, powdery snow.

Source: www.hightechscience.org/funfacts.htm

Tremendous erosion at the base of Niagara Falls (USA) undermines the shale cliffs and as a result the falls have receded approximately 7 miles over the last 10,000 years.

Source: www.hightechscience.org/funfacts.htm

Sean Parker
1979-current

Co-founded the digital music sharing
website Napster.

40 to 50 percent of body heat can be lost through the head (no hat) as a result of its extensive circulatory network.

Source: www.hightechscience.org/funfacts.htm

A large swarm of desert locusts (*Schistocerca gregaria*) can consume 20,000 tons (18,160,000 kilograms) of vegetation a day.

Source: www.hightechscience.org/funfacts.htm

The largest telescope in the world is currently being constructed in northern Chile. The telescope will utilize four - 26 ft. 8 in. (8.13 meters) mirrors which will gather as much light as a single 52 ft. 6 in. (16 meters) mirror.

Source: www.hightechscience.org/funfacts.htm

The Hubble Space Telescope weighs 12 tons (10,896 kilograms), is 43 feet (13.1 meters) long, and cost \$2.1 billion to originally build.

Source: www.hightechscience.org/funfacts.htm

Benjamin Franklin

1706-1790

A founding father of America that also discovered electricity.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

The longest living cells in the body are brain cells which can live an entire lifetime.

Source: www.hightechscience.org/funfacts.htm

The largest flying animal was the pterosaur which lived 70 million years ago. This reptile had a wing span of 36-39 feet (11-11.9 meters) and weighed 190-250 pounds (86-113.5 kilograms).

Source: www.hightechscience.org/funfacts.htm

**The Atlantic Giant Squid's eye can be as large
as 15.75 inches (40 centimeters) wide.**

Source: www.hightechscience.org/funfacts.htm

**Armadillos, opossums, and sloth's spend
about 80% of their lives sleeping.**

Source: www.hightechscience.org/funfacts.htm

Eli Whitney

1765-1825

Invented the cotton gin, which separates the seeds from cotton.

Source: http://www.invent.org/hall_of_fame/152.html

The starfish species, *Porcellanaster ivanovi*,
has been found to live in water as deep as
24,881 feet (7,584 meters).

Source: www.hightechscience.org/funfacts.htm

The tentacles of the giant Arctic jellyfish can reach 120 feet (36.6 meters) in length.

Source: www.hightechscience.org/funfacts.htm

The greatest tide change on earth occurs in the Bay of Fundy. The difference between low tide and high tide can be as great as 54 ft. 6 in. (16.6 meters).

Source: www.hightechscience.org/funfacts.htm

The highest temperature produced in a laboratory was 920,000,000 F (511,000,000 C) at the Tokamak Fusion Test Reactor in Princeton, NJ, USA.

Source: www.hightechscience.org/funfacts.htm

Percy Spencer
1894-1970

Invented the microwave oven.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

The most powerful laser in the world, the Nova laser at Lawrence Livermore National Laboratory, CA, USA, generates a pulse of energy equal to 100,000,000,000,000 watts of power for .000000001 second to a target the size of a grain of sand.

Source: www.hightechscience.org/funfacts.htm

**The heaviest human brain ever recorded
weighed 5 lb. 1.1 oz. (2.3 kg.).**

Source: www.hightechscience.org/funfacts.htm

The deepest part of the ocean is 35,813 feet (10,916 meters) deep and occurs in the Mariana Trench in the Pacific Ocean. At that depth the pressure is 18,000 pounds (9172 kilograms) per square inch.

Source: www.hightechscience.org/funfacts.htm

The largest cave in the world (the Sarawak Chamber in Malaysia) is 2,300 feet (701 meters) long, 980 feet (299 meters) wide, and more than 230 feet (70 meters) high.

Source: www.hightechscience.org/funfacts.htm

Vinton Gray "Vint" Cerf

1943-current

A founding father of the Internet involved in creating TCP/IP technology (Transmission Control Protocol and Internet Protocol).

Source: http://en.wikipedia.org/wiki/Vint_Cerf

**The hottest planet in the solar system is
Venus, with an estimated surface
temperature of 864 F (462 C).**

Source: www.hightechscience.org/funfacts.htm

The ears of a cricket are located on the front legs, just below the knee.

Source: www.hightechscience.org/funfacts.htm

The first electronic digital computer (called ENIAC - the Electronic Numerical Integrator and Calculator) was developed in 1946 and contained over 18,000 vacuum tubes.

Source: www.hightechscience.org/funfacts.htm

The leg muscles of a locust are about 1000 times more powerful than an equal weight of human muscle.

Source: www.hightechscience.org/funfacts.htm

Charles Babbage

1791-1871

Invented the first computer, a mechanical computing machine called a Difference Engine or an Analytical Engine.

Source: <http://www.ideafinder.com/history/inventors/babbage.htm>

**The cosmos contains approximately
50,000,000,000 galaxies.**

Source: www.hightechscience.org/funfacts.htm

**There are between 100,000,000,000 and
1,000,000,000,000 stars in a normal galaxy.**

Source: www.hightechscience.org/funfacts.htm

**Sound travels about 4 times faster in water
than in air.**

Source: www.hightechscience.org/funfacts.htm

Scientists have discovered that copper pollution of the atmosphere occurred about 2500 years ago. This was discovered by analyzing ice cores from Greenland. The pollution was attributed to the Romans who used copper for military purposes and to produce coins.

Source: www.hightechscience.org/funfacts.htm

Sir Issac Newton

1643 - 1727

English physicist, mathematician, astronomer, natural philosopher, alchemist, and theologian. He built the first practical reflecting telescope, observed that a prism decomposes white light into many colors, formulated an empirical law of cooling, studied the speed of sound, and co-invented calculus.

Source: http://en.wikipedia.org/wiki/Issac_Newton

Hydrofluoric acid will dissolve glass.

Source: www.hightechscience.org/funfacts.htm

In a full grown rye plant, the total length of roots may reach 380 miles (613 km).

Source: www.hightechscience.org/funfacts.htm

In a full grown rye plant, the total length of fine root hairs may reach 6600 miles (10,645 km).

Source: www.hightechscience.org/funfacts.htm

A large sunspot can last for about a week.

Source: www.hightechscience.org/funfacts.htm

Nicolaus Copernicus

1473 – 1543

A renaissance astronomer and the first person to formulate a comprehensive heliocentric cosmology, which displaced the Earth from the center of the universe.

Source: http://en.wikipedia.org/wiki/Nicolaus_Copernicus

If you could throw a snowball fast enough, it would totally vaporize when it hit a brick wall.

Source: www.hightechscience.org/funfacts.htm

Boron nitride (BN) is the second hardest substance known to man.

Source: www.hightechscience.org/funfacts.htm

The female Tarantula Hawk wasp paralyzes a large spider with her sting. She then lays her eggs on the motionless body so that her developing young have a fresh supply of spider meat to feed on.

Source: www.hightechscience.org/funfacts.htm

**The seeds of an Indian Lotus tree remain
viable for 300 to 400 years.**

Source: www.hightechscience.org/funfacts.htm

René Descartes

1596 – 1650

A key figure in the Scientific Revolution, he is considered the "Father of Modern Philosophy" and the "Father of analytical geometry."

Source: <http://en.wikipedia.org/wiki/Descartes>

**The only letter not appearing on the Periodic
Table is the letter “J”.**

Source: www.hightechscience.org/funfacts.htm

**Velcro was invented by a Swiss guy
who was inspired by the way burrs
attached to clothing.**

Source: www.hightechscience.org/funfacts.htm

Hershey's Kisses are called that because the machine that makes them looks like it's kissing the conveyor belt.

Source: www.hightechscience.org/funfacts.htm

October 10 is National Metric Day.

Source: www.hightechscience.org/funfacts.htm

Thomas Alva Edison

1847 - 1931

American inventor, scientist, and businessman who invented, developed, and patented many devices including the phonograph, the motion picture camera, a practical electric light bulb, a stock ticker, a mechanical vote recorder, a battery for an electric car, and electrical power.

Source: http://en.wikipedia.org/wiki/Thomas_Edison

**If you stretch a standard Slinky out flat it
measures 87 feet long.**

Source: www.hightechscience.org/funfacts.htm

The microwave was invented after a researcher walked by a radar tube and a chocolate bar melted in his pocket.

Source: www.hightechscience.org/funfacts.htm

Super Glue was invented by accident. The researcher was trying to make optical coating materials, and would test their properties by putting them between two prisms and shining light through them. When he tried the cyano-acrylate, he couldn't get the prisms apart.

Source: www.hightechscience.org/funfacts.htm

No matter its size or thickness, no piece of paper can be folded in half more than 7 times.

Source: www.hightechscience.org/funfacts.htm

Fritz Pfleumer
1881-1945

Invented audio tape.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**A car traveling at 80 km/h uses half its fuel
to overcome wind resistance.**

Source: www.hightechscience.org/funfacts.htm

Knowledge is growing so fast that ninety per cent of what we will know in fifty years time, will be discovered in those fifty years.

Source: www.hightechscience.org/funfacts.htm

According to an old English system of time units, a moment is one and a half minutes.

Source: www.hightechscience.org/funfacts.htm

**The typewriter was invented in 1829, and
the automatic dishwasher in 1889.**

Source: www.hightechscience.org/funfacts.htm

Rudolf Hell

1901-2002

Formulated the technology for the
scanner and fax machine.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**The wristwatch was invented in 1904 by
Louis Cartier.**

Source: www.hightechscience.org/funfacts.htm

When glass breaks, the cracks move at speeds of up to 3,000 miles per hour.

Source: www.hightechscience.org/funfacts.htm

By raising your legs slowly and laying on your back, you can't sink in quicksand.

Source: www.hightechscience.org/funfacts.htm

**Ten minutes of one hurricane contains
enough energy to match the nuclear
stockpiles of the world.**

Source: www.hightechscience.org/funfacts.htm

Albert Einstein
1879 - 1955

This theoretical physicist shook the world with one of the most interesting and intriguing theories in Physics, the Theory of Relativity in the equation $E = MC^2$.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Most gemstones contain several elements.
The exception? The diamond. It's all carbon.**

Source: www.hightechscience.org/funfacts.htm

**Diamonds are the hardest substance
known to man.**

Source: www.hightechscience.org/funfacts.htm

Which of the 50 states has never had an earthquake? North Dakota.

Source: www.hightechscience.org/funfacts.htm

**When hydrogen burns in the air,
water is formed.**

Source: www.hightechscience.org/funfacts.htm

Emil Berliner
1851-1929

Invented the record player.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

Sterling silver contains 7.5% copper.

Source: www.hightechscience.org/funfacts.htm

**Cars were first made with ignition
keys in 1949.**

Source: www.hightechscience.org/funfacts.htm

J.B Dunlop was first to put air into tires.

Source: www.hightechscience.org/funfacts.htm

Alexander Graham Bell, who invented the telephone, also set a world water-speed record of over seventy miles an hour at the age of seventy two.

Source: www.hightechscience.org/funfacts.htm

Julius Lothar Meyer

1830-1895

First person to draw the periodic table of
chemical elements.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

It is energy-efficient to turn off a fluorescent light only if it will not be used again within an hour or more. This is because of the high voltage needed to turn it on, and the shortened life this high voltage causes.

Source: www.hightechscience.org/funfacts.htm

The Earth's equatorial circumference (40,075 km) is greater than its polar circumference (40,008 km).

Source: www.hightechscience.org/funfacts.htm

Lake Baikal is the deepest lake in the world.

Source: www.hightechscience.org/funfacts.htm

Due to gravitational effects, you weigh slightly less when the moon is directly overhead.

Source: www.hightechscience.org/funfacts.htm

Otto Hahn
1879-1968

Invented nuclear fission.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**The Earth's average velocity orbiting the sun
is 107,220 km per hour.**

Source: www.hightechscience.org/funfacts.htm

**There is a high and low tide because of our
moon and the Sun.**

Source: www.hightechscience.org/funfacts.htm

**The United States consumes 25% of all the
world's energy.**

Source: www.hightechscience.org/funfacts.htm

**Flying from London to New York by Concord,
due to the time zones crossed, you can
arrive 2 hours before you leave.**

Source: www.hightechscience.org/funfacts.htm

Heinrich Focke

1890-1979

Invented the helicopter.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

There is enough fuel in a full tank of a Jumbo Jet to drive an average car four times around the world.

Source: www.hightechscience.org/funfacts.htm

**The surface speed record on the moon is
10.56 miles per hour. It was set with the
lunar rover.**

Source: www.hightechscience.org/funfacts.htm

If you could drive to the sun -- at 55 miles per hour -- it would take about 193 years.

Source: www.hightechscience.org/funfacts.htm

**The moon is one million times drier than
the Gobi Desert.**

Source: www.hightechscience.org/funfacts.htm

Samuel Hahnemann

1755-1843

Created the alternative medical practice
called Homeopathy.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Just twenty seconds worth of fuel
remained when Apollo 11's lunar module
landed on the moon.**

Source: www.hightechscience.org/funfacts.htm

A Boeing 707 uses four thousand gallons of fuel in its take-off climb.

Source: www.hightechscience.org/funfacts.htm

The planet Saturn has a density lower than water. So, if placed in water it would float.

Source: www.hightechscience.org/funfacts.htm

Since 1959, more than 6,000 pieces of 'space junk' (abandoned rocket and satellite parts) have fallen out of orbit - many of these have hit the earth's surface.

Source: www.hightechscience.org/funfacts.htm

Heinrich Gobel

1818-1893

Invented the incandescent light bulb.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

It takes 70% less energy to produce a ton of paper from recycled paper than from trees.

Source: www.hightechscience.org/funfacts.htm

**Every year in the US, 625 people are
struck by lightning.**

Source: www.hightechscience.org/funfacts.htm

**Hawaii is moving toward Japan 4 inches
every year.**

Source: www.hightechscience.org/funfacts.htm

The rocket engine has to supply its own oxygen so it can burn its fuel in outer space.

Source: www.hightechscience.org/funfacts.htm

Karlheinz Brandenburg
1954-current

Invented MP3 technology.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**The North Atlantic gets 1 inch wider
every year.**

Source: www.hightechscience.org/funfacts.htm

Oxygen is the most abundant element in the Earth's crust, waters, and atmosphere (about 49.5%).

Source: www.hightechscience.org/funfacts.htm

**A stroke of lightning discharges from
10 to 100 million volts & 30,000
amperes of electricity.**

Source: www.hightechscience.org/funfacts.htm

**A bolt of lightning is about 54,000°F
(30,000°C); six times hotter than the Sun.**

Source: www.hightechscience.org/funfacts.htm

Melitta Bentz
1873-1950

Invented the coffee filter.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Hydrogen is the most abundant element in
the Universe (75%).**

Source: www.hightechscience.org/funfacts.htm

The average distance between the Earth & the Moon is 238,857 miles (384,392 km).

Source: www.hightechscience.org/funfacts.htm

The moon is 27% the size of the Earth.

Source: www.hightechscience.org/funfacts.htm

**The Earth weighs 6.6 sextillion tons,
or 5.97×10^{24} kg.**

Source: www.hightechscience.org/funfacts.htm

Felix Hoffmann
1868-1946

Invented aspirin.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

The center of the Sun is about 27 million degrees Fahrenheit (15 million °C).

Source: www.hightechscience.org/funfacts.htm

**Sunlight takes about 8 minutes & 20 seconds
to reach the Earth at 186,282 miles/sec
(299,792 Km/sec).**

Source: www.hightechscience.org/funfacts.htm

**The highest temperature on Earth was 136°F
(58°C) in Libya in 1922.**

Source: www.hightechscience.org/funfacts.htm

**The lowest temperature on Earth
was -128.6°F (-89.6°C) in
Antarctica in 1983.**

Source: www.hightechscience.org/funfacts.htm

Hans von Ohain

1911-1998

Invented the jet engine.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Sunlight can penetrate clean ocean water to
a depth of 240 feet.**

Source: www.hightechscience.org/funfacts.htm

**The average depth of the ocean floor is
12,000 feet.**

Source: www.hightechscience.org/funfacts.htm

The temperature can be determined by counting the number of cricket chirps in fourteen seconds and adding 40.

Source: www.hightechscience.org/funfacts.htm

House flies have a lifespan of two weeks.

Source: www.hightechscience.org/funfacts.htm

Werner von Siemens

1816-1892

Invented the dynamo, or electric generator.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Chimps are the only animals that can
recognize themselves in a mirror.**

Source: www.hightechscience.org/funfacts.htm

Starfish don't have brains.

Source: www.hightechscience.org/funfacts.htm

**The average person falls asleep in
seven minutes.**

Source: www.hightechscience.org/funfacts.htm

Shrimp's hearts are in their heads.

Source: www.hightechscience.org/funfacts.htm

John Logie Baird
1888-1946

Invented the television.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Every time you lick a stamp, you're
consuming 1/10 of a calorie.**

Source: www.hightechscience.org/funfacts.htm

**The longest recorded flight of a chicken is
thirteen seconds.**

Source: www.hightechscience.org/funfacts.htm

Emus and kangaroos cannot walk backwards.

Source: www.hightechscience.org/funfacts.htm

**Cats have over one hundred vocal sounds,
while dogs only have about ten.**

Source: www.hightechscience.org/funfacts.htm

Alexander Graham Bell

1847-1922

Invented the first *practical* telephone.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

Porcupines float in water.

Source: www.hightechscience.org/funfacts.htm

An ostrich's eye is bigger than its brain.

Source: www.hightechscience.org/funfacts.htm

An iguana can stay under water for twenty-eight minutes.

Source: www.hightechscience.org/funfacts.htm

**The common goldfish is the only animal that
can see both infra-red and ultra-violet light.**

Source: www.hightechscience.org/funfacts.htm

Ferdinand Verbiest

1623-1688

Invented the first automobile.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

It's impossible to sneeze with your eyes open.

Source: www.hightechscience.org/funfacts.htm

The pupil of an octopus' eye is rectangular.

Source: www.hightechscience.org/funfacts.htm

**Our eyes are always the same size from birth,
but our nose and ears never stop growing.**

Source: www.hightechscience.org/funfacts.htm

**The leg bones of a bat are so thin that
no bat can walk.**

Source: www.hightechscience.org/funfacts.htm

Peter Henlein
1479-1542

Invented the pocket watch.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

Ants cannot chew their food, they move their jaws sideways, like scissors, to extract the juices from the food.

Source: www.hightechscience.org/funfacts.htm

**Hummingbirds are the only animals able to
fly backwards.**

Source: www.hightechscience.org/funfacts.htm

A cat has 32 muscles in each ear.

Source: www.hightechscience.org/funfacts.htm

Tigers have striped skin, not just striped fur.

Source: www.hightechscience.org/funfacts.htm

Karl Friedrich von Drais

1785-1851

Invented the bicycle.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

A cat's jaws cannot move sideways.

Source: www.hightechscience.org/funfacts.htm

**Armadillos get an average of 18.5 hours of
sleep per day.**

Source: www.hightechscience.org/funfacts.htm

Armadillos can walk underwater.

Source: www.hightechscience.org/funfacts.htm

**There are more beetles than any other kind
of creature in the world.**

Source: www.hightechscience.org/funfacts.htm

Rudolf Diesel

1858-1913

Invented the combustion engine.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Certain frogs that can survive the experience
of being frozen.**

Source: www.hightechscience.org/funfacts.htm

Only humans sleep on their backs.

Source: www.hightechscience.org/funfacts.htm

The human brain is 80% water.

Source: www.hightechscience.org/funfacts.htm

Everyone's tongue print is different.

Source: www.hightechscience.org/funfacts.htm

Johannes Gutenberg

1398-1468

Invented the mechanical printing press.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

Neils Hendrik David Bohr

1885-1962

Bohr model of the atom.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

As an adult, you have more than 20 square feet of skin on your body--about the same square footage as a blanket for a queen-sized bed.

Source: www.hightechscience.org/funfacts.htm

**In your lifetime, you'll shed over 40 pounds
of skin.**

Source: www.hightechscience.org/funfacts.htm

15 million blood cells are produced and destroyed in the human body every second.

Source: www.hightechscience.org/funfacts.htm

Amedeo Avogadro

1776-1856

Avogadro's Law: equal volumes of different gases, pressure and temperature being equal, contain the same number of molecules.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**Every minute, 30-40,000 dead skin cells fall
from your body.**

Source: www.hightechscience.org/funfacts.htm

**The brain uses more than 25% of the oxygen
used by the human body.**

Source: www.hightechscience.org/funfacts.htm

If your mouth was completely dry, you would not be able to distinguish the taste of anything.

Source: www.hightechscience.org/funfacts.htm

Andre Marie Ampere

1775-1836

Awarded the name for the unit of measurement to measure electric current.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**There are more living organisms on the skin
of a single human being than there are
human beings on the surface of the earth.**

Source: www.hightechscience.org/funfacts.htm

Muscles are made up of bundles from about 5 in the eyelid to about 200 in the buttock muscle.

Source: www.hightechscience.org/funfacts.htm

**Muscles in the human body (640 in total)
make up about half of the body weight.**

Source: www.hightechscience.org/funfacts.htm

Heinrich Hertz

1857-1894

Electromagnetic theory of light and
electromagnetic waves.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**The human body has enough fat to produce
7 bars of soap.**

Source: www.hightechscience.org/funfacts.htm

The human head is a quarter of our total length at birth, but only an eighth of our total length by the time we reach adulthood.

Source: www.hightechscience.org/funfacts.htm

Most people blink about 17,000 times a day.

Source: www.hightechscience.org/funfacts.htm

Moths have no stomach.

Source: www.hightechscience.org/funfacts.htm

Artur Fischer
1919-current

Invented the Fischertechnik construction toy.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

Hummingbirds can't walk.

Source: www.hightechscience.org/funfacts.htm

Sea otters have 2 coats of fur.

Source: www.hightechscience.org/funfacts.htm

A starfish can turn its stomach inside out.

Source: www.hightechscience.org/funfacts.htm

A zebra is white with black stripes.

Source: www.hightechscience.org/funfacts.htm

Robert Koch

1843-1910

Isolated *bacillus anthracis*, tuberculosis
bacteria and vibrio cholerae.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**The animal with the largest brain in relation
to its body is the ant.**

Source: www.hightechscience.org/funfacts.htm

**A crocodile's tongue is attached to the
roof of its mouth.**

Source: www.hightechscience.org/funfacts.htm

**Crocodiles swallow stones to help them
dive deeper.**

Source: www.hightechscience.org/funfacts.htm

Giraffes are unable to cough.

Source: www.hightechscience.org/funfacts.htm

Levi Strauss
1829-1902

Invented jeans.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

Sharks are immune to cancer.

Source: www.hightechscience.org/funfacts.htm

Despite the hump, a camel's spine is straight.

Source: www.hightechscience.org/funfacts.htm

**Cheetah's can accelerate from 0 to 70 km/h
in 3 seconds.**

Source: www.hightechscience.org/funfacts.htm

A giraffe's neck contains the same number of vertebrae as a human.

Source: www.hightechscience.org/funfacts.htm

Archimedes

287-212 BC

Discovered the Archimedean principle,
famous theory of buoyancy and many
mathematical and mechanical discoveries.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

The heart of giraffe is two feet long, and can weigh as much as twenty four pounds.

Source: www.hightechscience.org/funfacts.htm

**On average, Elephants sleep for about
2 hours per day.**

Source: www.hightechscience.org/funfacts.htm

Lobsters have blue blood.

Source: www.hightechscience.org/funfacts.htm

Shark's teeth are literally as hard as steel.

Source: www.hightechscience.org/funfacts.htm

Elias Howe
1819-1867

Invented the sewing machine.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

A mosquito has 47 teeth.

Source: www.hightechscience.org/funfacts.htm

**Oxygen, carbon, hydrogen and nitrogen
make up 90% of the human body.**

Source: www.hightechscience.org/funfacts.htm

**Seventy percent of the dust in your home
consists of shed human skin.**

Source: www.hightechscience.org/funfacts.htm

**Fish are the only vertebrates that
outnumber birds.**

Source: www.hightechscience.org/funfacts.htm

Laszlo Jozsef Bíro
1899-1985

Invented the ballpoint pen.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

**A cockroach can live for several weeks
without its head.**

Source: www.hightechscience.org/funfacts.htm

**The average human produces a quart of saliva
a day -- about 10,000 gallons in a lifetime**

Source: www.hightechscience.org/funfacts.htm

**Elephants have been known to remain
standing after they die.**

Source: www.hightechscience.org/funfacts.htm

The embryos of tiger sharks fight each other while in their mother's womb, the survivor being the baby shark that is born.

Source: www.hightechscience.org/funfacts.htm

Garrett Augustus Morgan

1877-1963

Invented the traffic signal, gas mask,
and hair straightening preparation.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

Ants do not sleep.

Source: www.hightechscience.org/funfacts.htm

Nearly a third of all bottled drinking water purchased in the US is contaminated with bacteria.

Source: www.hightechscience.org/funfacts.htm

Rats multiply so quickly that in 18 months, two rats could have over 1 million descendants.

Source: www.hightechscience.org/funfacts.htm

An Astronaut can be up to 2 inches taller returning from space. The cartilage disks in the spine expand in the absence of gravity.

Source: www.hightechscience.org/funfacts.htm

Samuel F. B. Morse
1791-1872

Invented the telegraph.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

The oldest known fossil is of a single-celled organism, blue-green algae, found in 3.2 billion year-old stones in South Africa.

Source: www.hightechscience.org/funfacts.htm

**The oldest multicellular fossils date from
~700 million years ago.**

Source: www.hightechscience.org/funfacts.htm

The earliest cockroach fossils are about 280 million years old.

Source: www.hightechscience.org/funfacts.htm

**Healthy nails grow about 2 cm each year.
Fingernails grow four times as fast as toenails.**

Source: www.hightechscience.org/funfacts.htm

Brothers Orville and Wilbur Wright

1871-1948, 1867-1912

Invented the airplane.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>

20/20 vision means the eye can see normally at 20 feet. 20/15 is better; the eye can see at 20 feet what another eye sees at 15 feet.

Source: www.hightechscience.org/funfacts.htm

The average person has 100,000 hairs on his/her head. Each hair grows about 5 inches (12.7 cm) every year.

Source: www.hightechscience.org/funfacts.htm

There are 60,000 miles (97,000 km) in blood vessels in every human.

Source: www.hightechscience.org/funfacts.htm

Wilhelm Conrad Rontgen

1845-1923

Discovered X-rays.

Source: <http://www.buzzle.com/articles/famous-scientists-names.html>