

Scarlett Johansson has become one of Hollywood's most famous actors.

She plays the highly trained Russian spy called Black Widow in the Avengers films. Her character is based on a comic-book character who is an expert at martial arts.



Michelle Rodriguez usually plays tough characters. She has starred in films where she has to fight off zombies and race around in cars. This makes her one of Hollywood's toughest on-screen female heroes.



Jennifer Lawrence is one of the busiest actors at the moment as she stars in two of the biggest film series.

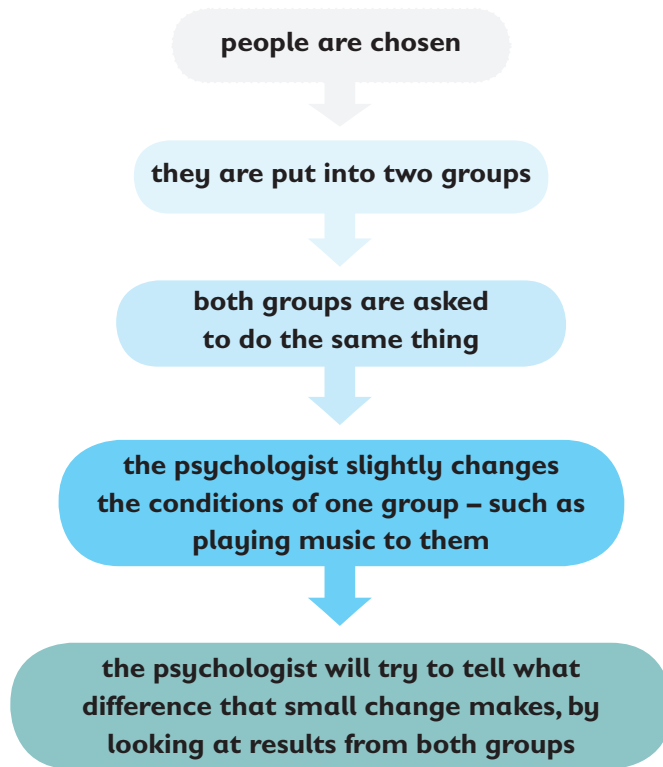
She plays Mystique in the X-Men series and Katniss Everdeen in The Hunger Games series.

For her role in The Hunger Games series she had to do lots of hard, physical training including rock climbing, combat and running.



Psychology is the study of the human mind and how it behaves in different situations.

Psychologists do experiments to find out more about the human mind. They often go like this:



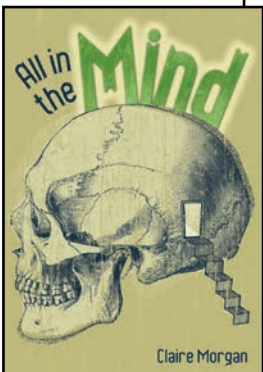
The group which has no change made is called a control group.

To compare the results of the change, the psychologist needs to make sure there are no other differences between the two groups.

What does the psychologist do to make sure the groups are the same?

- Chooses people of the same age.
- Chooses people with the same background.
- Makes sure the experiments happen in the same place.
- Makes sure the same length of time is spent on both groups.

Experiments done in this way have helped us discover some really interesting things about the human mind.





## 4. Mammals

One of the most well-known desert animals is the meerkat. Meerkats live in groups called mobs.

Meerkats are powerful diggers! Every day, a meerkat can dig up to several hundred times more than its own body weight.

Although they look cuddly, meerkats do not make good pets. If a human tries to touch a meerkat, it will bite them and spray them with urine.



This strange-looking animal is called a jerboa. It is a type of rodent. All rodents have special front teeth for gnawing.

Jerboa don't just look strange. They do some pretty strange things too:

- Although they are tiny, they can jump up to nearly half a metre.
- They don't drink water! They get water from their food.
- Jerboa's tails are longer than their bodies! They use them as a prop when they sit down.



## The steering wheel

An F1™ steering wheel is much smaller than an average steering wheel. It does a lot more than just help the driver steer round a bend.

The steering wheel has all the controls and displays the driver needs to make decisions when moving at over 300 kilometres per hour. The controls can:

- tell the driver when to shift gears
- provide information from race control
- manage the energy recovery system



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## Fancy features

### Snap-on connector

- joins the steering column to the wheel
- provides electrical connections between the controls and the car
- is 'rapid release' so a driver can remove the wheel and get out fast!

### F1™ engine

- 1.6-litre turbocharged V6 engine – similar in size to some road cars but much more powerful!

### Gearbox

- Eight forward gears (there are five or six in a family car). It gives the driver better control when steering around corners.



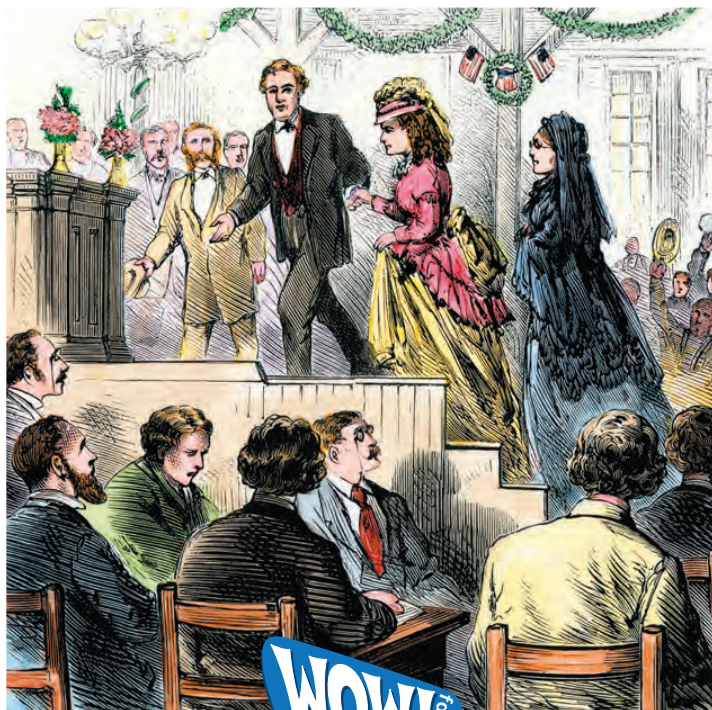
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### The women's vote

In 1872, Susan B. Anthony was fined \$100 for voting in the American presidential election. Why? Because it was illegal for women to vote. She was so furious with this fine that she started travelling around America speaking up for women's right to vote.



**WOW!**  
facts

American women got the vote in 1920.  
Susan B. Anthony never paid the fine.

In 1873, one of her speeches included these words:

“ It was we, the people; not we,  
the white male citizens... who formed  
the Union (The United States).

And we formed it, not to give the blessings  
of liberty, but to secure them; not to  
the half of ourselves and the half of our  
posterity, but to the whole people —  
women as well as men. ”

Anthony used her speech to argue that all the  
people, not just the white men, formed the United  
States and it was formed to give freedom to everyone  
– including women.



### Britain's haunted houses

Borley Rectory in Essex is often called the most haunted house in England.

Since 1929, people have reported all kinds of different spooks in the house – ghostly footsteps, strange lights, a headless man and the figure of a nun, among many other strange things.



In the 1930s, Marianne Foyster lived in Borley with her husband who was the vicar.

She claimed she was slapped by invisible hands, and nearly suffocated by a mattress. She also said she saw scrawled messages on the walls that just appeared.



Invisible ghosts which crash about and throw objects are called poltergeists. This word comes from German, meaning 'noisy spirit'.





## 2. THE ROOTS OF HIP HOP

The Bronx area of New York where hip hop began was a poor part of the city. But the young people who lived there wanted to create their own music and style.



The term hip hop has been used for rap culture since the late 1970s, but it was first used in a 1671 play by the Duke of Buckingham. He used it to describe a hopping motion!

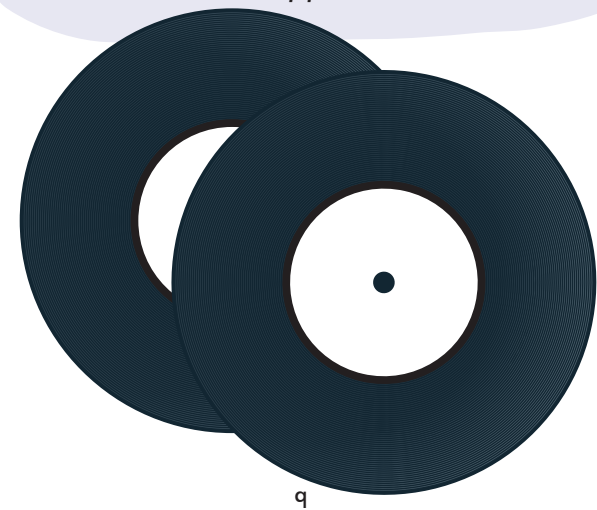
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They held large outdoor events which were called block parties. They played music very loudly.

The DJs made the instrumental parts, or 'breaks', of popular songs longer. They used two copies of the same record and switched from one to the other to play the break over and over again. Street dancers loved this.

In 1977, DJ Kool Herc said:

*"And when I extended the break, people were ecstatic, because that was the best part of the record to dance to, and they were trippin' off it."*



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## 6. How to survive a natural disaster

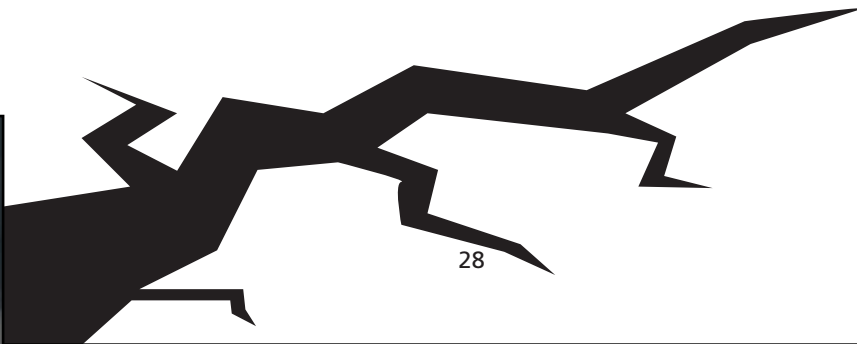
What to do you if you get caught up in a disaster.  
These tips could save your life one day!

### To survive an earthquake

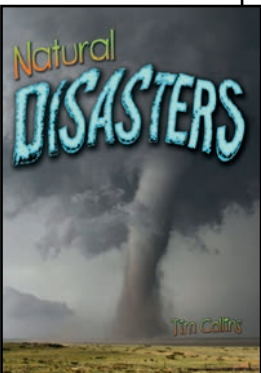
- Crawl under a desk or table.
- Protect your face with your hands.
- If you are in bed, stay there and cover your head with a pillow.
- Stay away from windows.
- If you are in a car, stay in the car until the shaking stops.
- Keep still until the quake is over.

### To survive a volcanic eruption

- Get inside a building.
- Close the windows and doors.
- If you can't find shelter, get to high ground.
- If rocks are falling near you, cover your head with your arms.
- You may not be able to drive to safety in your car. Ash from the eruption can get into the engine and damage it. If you must drive, don't go faster than 35 miles per hour.



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*Paraceratherium: the biggest land mammal*



**Fact File**

**Name means:** Near the hornless beast

**Record held:** Biggest land mammal ever

**Where it lived:** China, India and Pakistan

**Size:** 4.5 metres tall

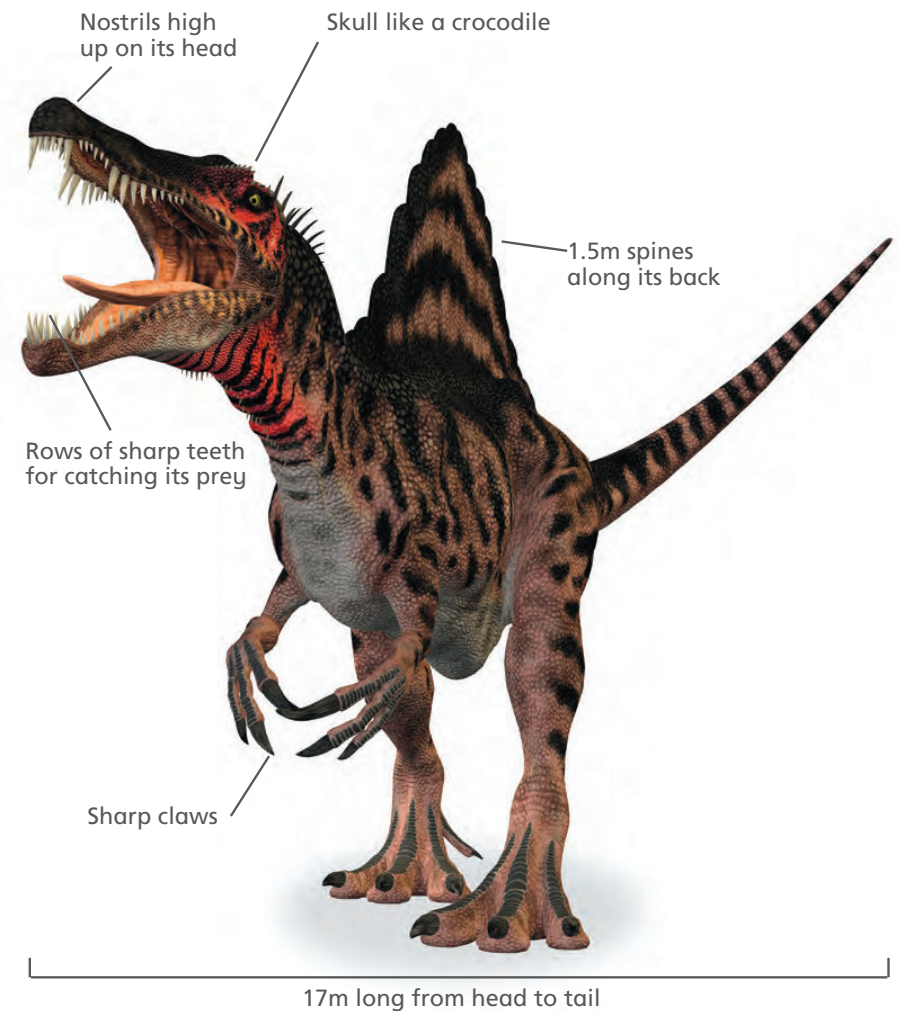
**Weight:** 15 to 20 tonnes

**Diet:** Leaves and twigs

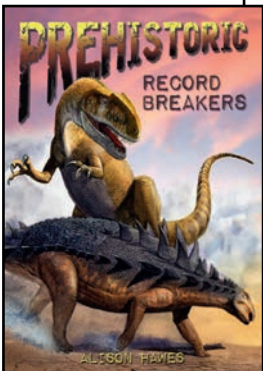
**Enemies:** None

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*Spinosaurus: the largest carnivorous dinosaur*



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We next hear about Shakespeare in 1594, when he is working as part of a theatre company called The Lord Chamberlain's Men.

When he wasn't acting in plays, Shakespeare was now writing them. Some of his early plays were *Romeo and Juliet* and *A Midsummer Night's Dream*.

In those days, women were not allowed to act on stage so the female roles were played by boys wearing wigs and ladies' clothes!



As an actor, Shakespeare performed for both Queen Elizabeth I and King James I!

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When the theatre they used for their plays closed down, they built a new theatre on the opposite side of the River Thames. This was called The Globe, and it was where Shakespeare wrote and staged some of his most famous works.



William Shakespeare made a lot of money from his plays. When he retired, he went back to Stratford-upon-Avon, where he died on 23rd April, 1616.



Shakespeare died on his own birthday!

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