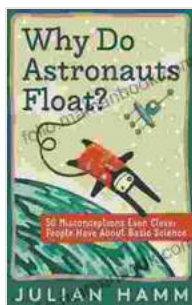


50 Misconceptions Even Clever People Have About Basic Science

Science is a vast and complex field, and it's easy to get things wrong. Even clever people can fall prey to misconceptions about basic science. Here are 50 of the most common misconceptions:



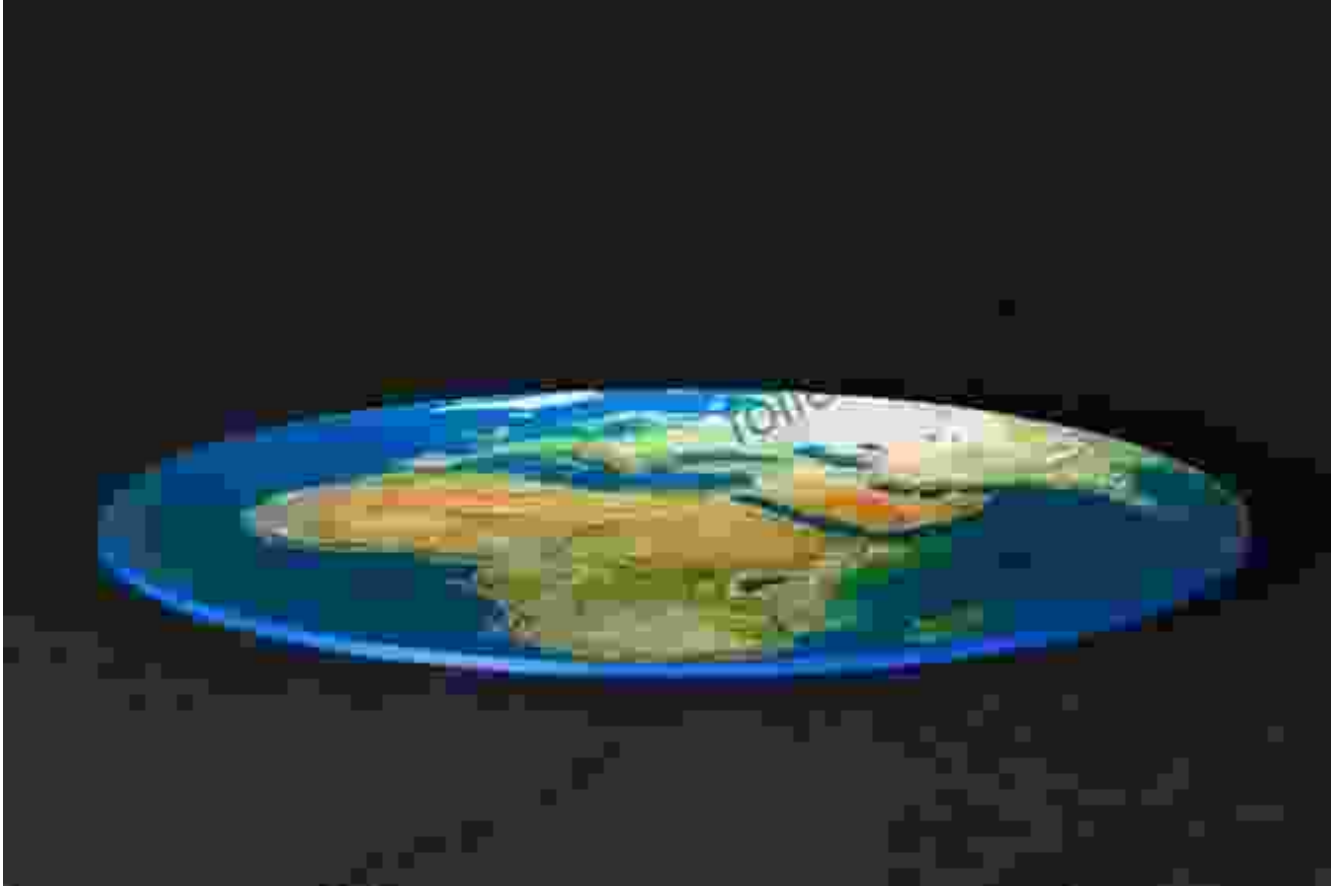
Why Do Astronauts Float?: 50 Misconceptions Even Clever People Have About Basic Science by Alan Gordon

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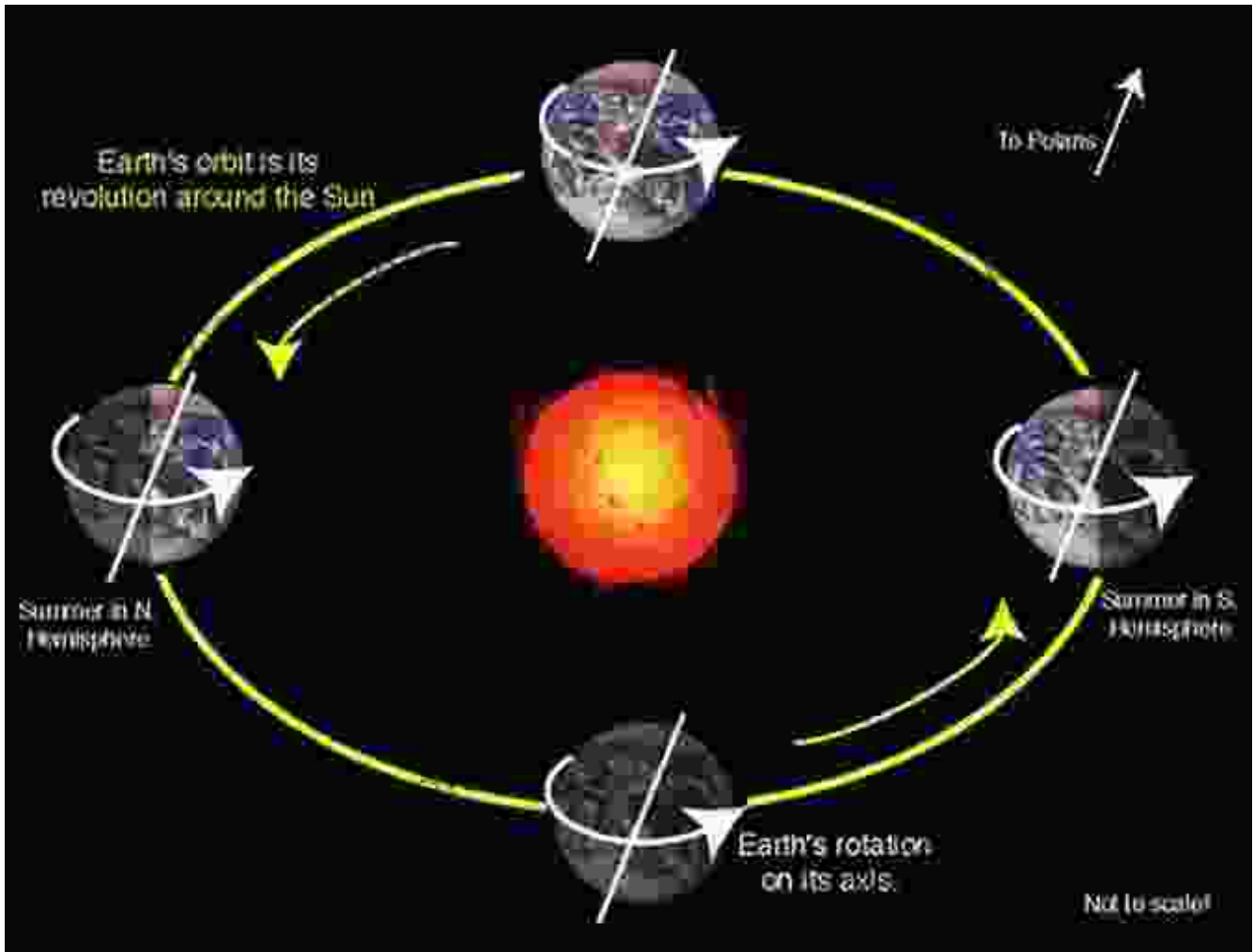


1. The Earth is flat.



This is one of the oldest and most persistent misconceptions about science. It's easy to see why people might have thought this in the past, since the Earth appears to be flat from our perspective. However, we now know that the Earth is a sphere, and there is plenty of evidence to support this fact.

2. The sun revolves around the Earth.



This is another misconception that was once widely held. In the Ptolemaic system of astronomy, which was dominant for over 1,000 years, the Earth was thought to be the center of the universe and the sun and other planets revolved around it. However, Nicolaus Copernicus showed in the 16th century that the sun is actually the center of the solar system and the Earth revolves around it.

3. Evolution is just a theory.



The MMR
vaccine
does not
cause autism

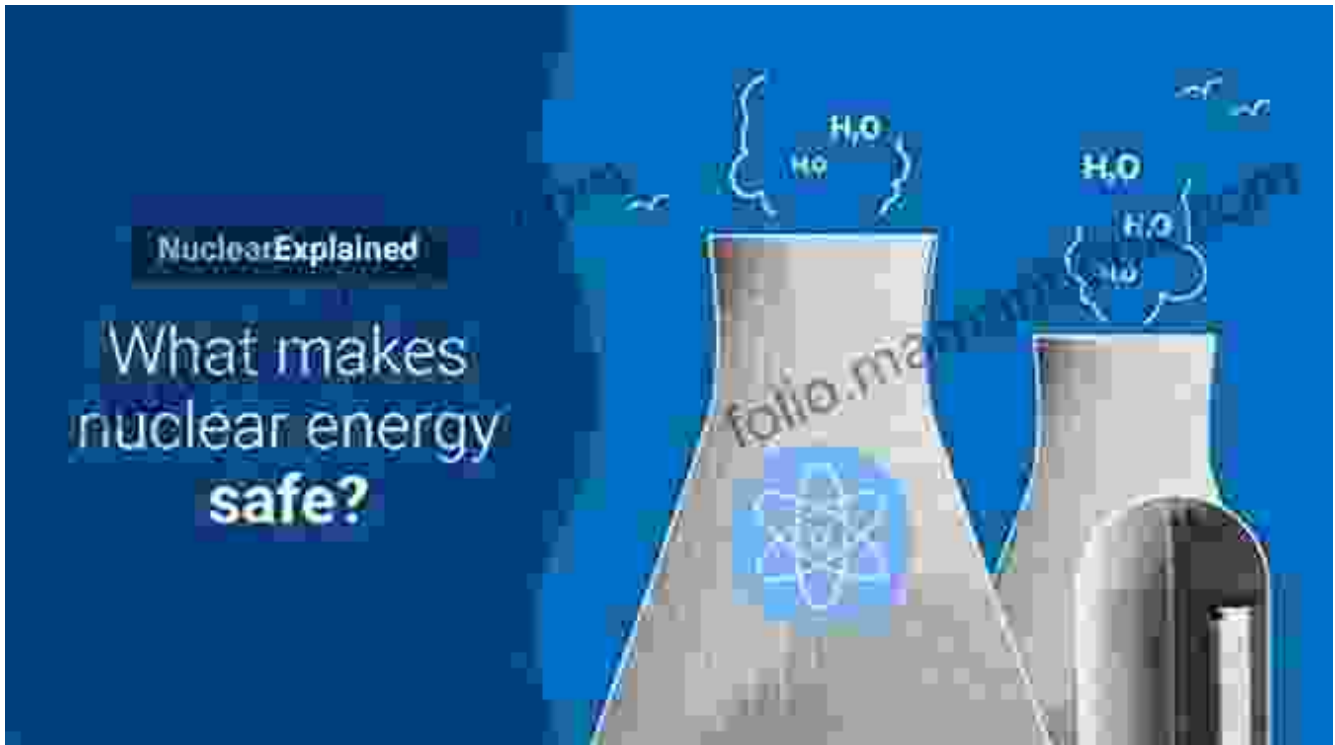
This is a dangerous and unfounded misconception. There is no credible evidence to support the claim that vaccines cause autism. In fact, numerous studies have shown that vaccines are safe and effective.

5. Climate change is a hoax.



This is a misconception that is often spread by people who have vested interests in maintaining the status quo. The evidence for climate change is overwhelming, and it is clear that we need to take action to reduce our emissions of greenhouse gases.

6. Nuclear power is dangerous.



This is a misconception that is often based on fear and misinformation. Nuclear power is actually one of the safest forms of energy production. Nuclear power plants are heavily regulated, and they have a number of safety features in place to prevent accidents.

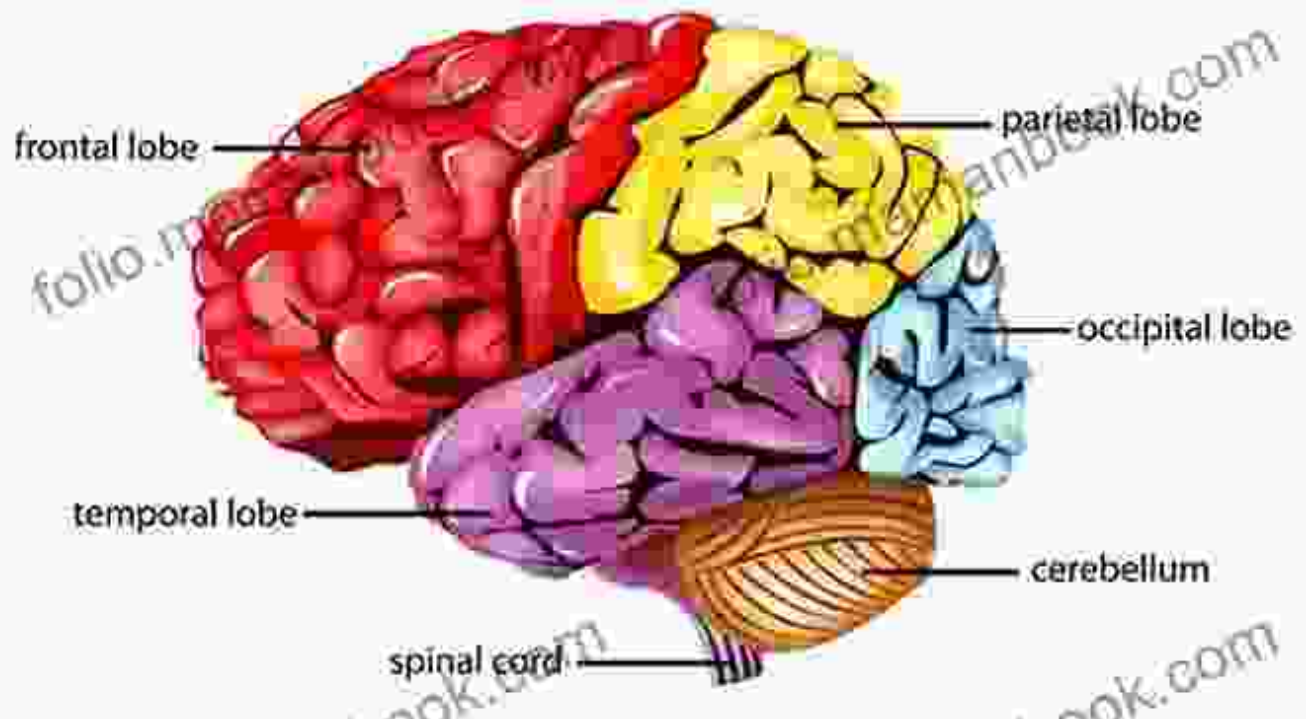
7. GMOs are harmful.



This is a misconception that is often spread by people who are opposed to genetic engineering. GMOs are actually safe and nutritious. They can provide a number of benefits, such as increased crop yields, resistance to pests and diseases, and improved nutritional value.

8. The human body only uses 10% of its brain.

Parts of the Human Brain



This is a misconception that has been around for over a century. It is based on the incorrect belief that most of the human brain is made up of inactive tissue. However, we now know that the human brain is highly active, and that it uses all of its parts to perform a variety of tasks.

9. Sugar causes hyperactivity in children.



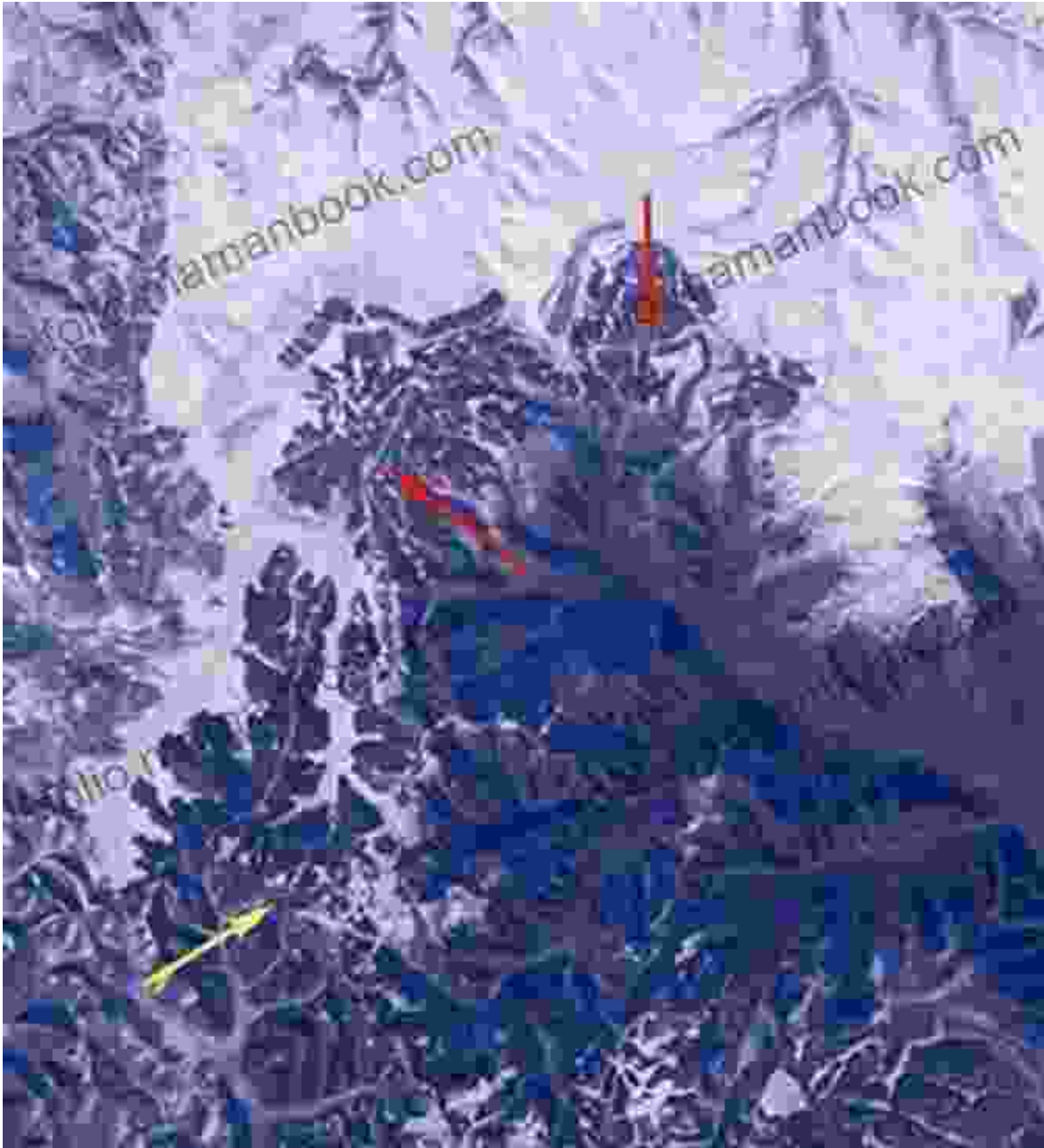
This is a misconception that has been disproven by numerous studies. Sugar does not cause hyperactivity in children. However, it can lead to weight gain and other health problems.

10. Cold air makes you sick.



This is a misconception that is based on the incorrect belief that cold air can kill bacteria and viruses. However, cold air does not kill bacteria and viruses. It can actually make them more active.

11. The Great Wall of China is visible from space.



This is a misconception that is often perpetuated by movies and television shows. However, the Great Wall of China is not visible from space with the naked eye. It is too narrow and too faint to be seen from such a distance.

12. The Dead Sea is the saltiest body of water in the world.



This is a misconception that is often based on the fact that the Dead Sea is very salty. However, there are actually other bodies of water that are more salty than the Dead Sea. The saltiest body of water in the world is the Don Juan Pond in Antarctica.

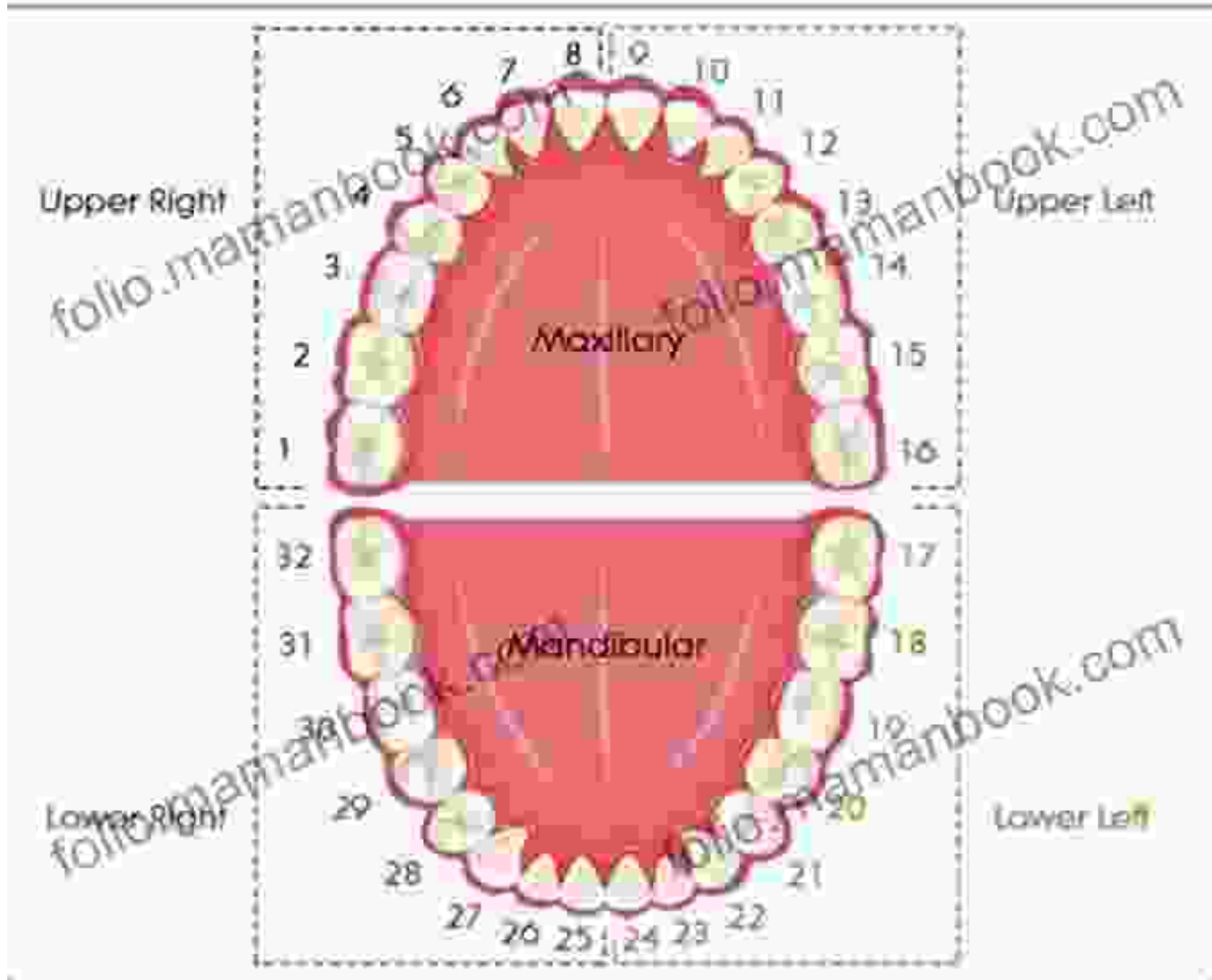
13. The human heart is on the left side of the body.



This is a misconception that is often based on the fact that the human heart can be felt on the left side of the chest. However, the human heart is actually located in the center of the chest, slightly to the left.

14. The human body has 32 teeth.

Permanent Teeth



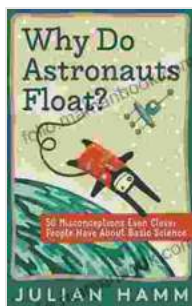
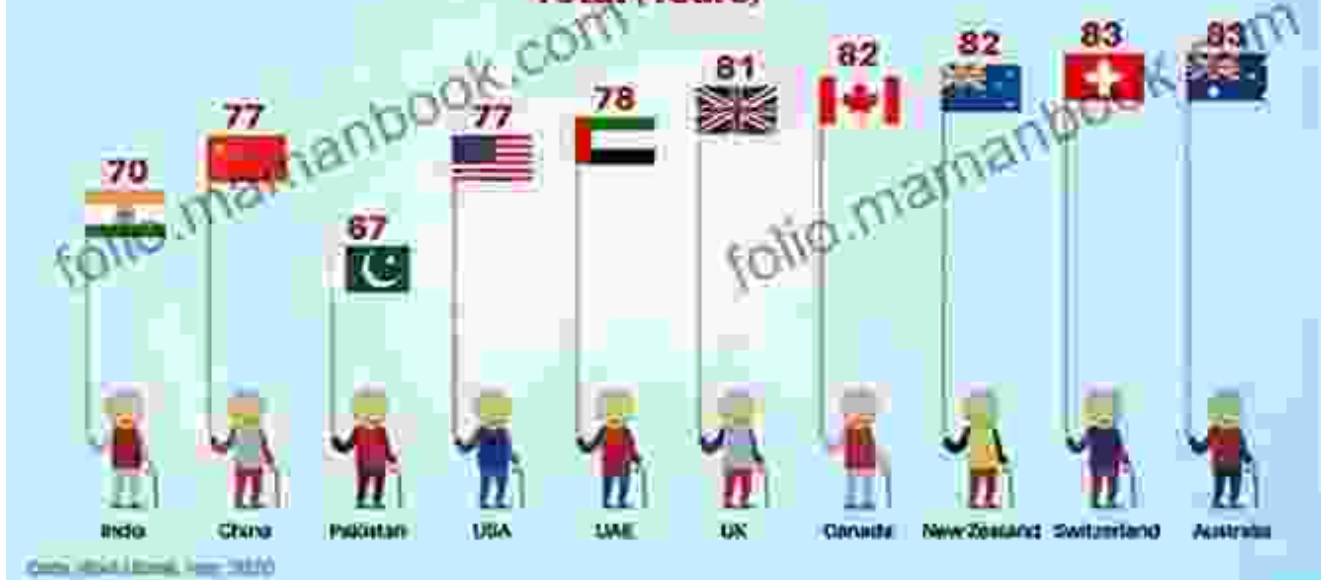
This is a misconception that is often based on the fact that most people have 32 teeth in their mouth. However, the human body actually has 28 teeth. The four missing teeth are the wisdom teeth, which are often removed because they can cause pain and other problems.

15. The average human lifespan is 70 years.

Life Expectancy at Birth

INDIA TV
www.indiatv.in

Total (Years)



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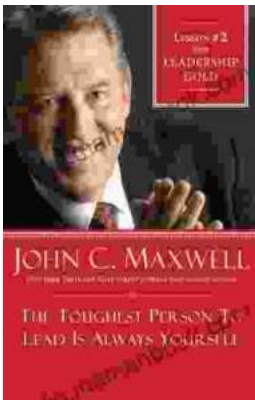
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