Awesome Facts About



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TABLE OF CONTENTS





iscovering cool facts about space is an adventure! Using telescopes, satellites, and robotic spacecraft, we know more about our solar system than ever before. And each new discovery shows us that space is even more fascinating than we originally thought.

For example, the fastest-spinning stars spin over 700 times per second! Mindblowing, right? And the sun? Well, anyone who's ever gotten a sunburn can tell you it's hot, but did you know that its surface is five times hotter than volcano lava?

The facts we learn about space should do more than just amaze us. They should inspire us to marvel at our all-powerful God. Psalm 8:3–4 says, "When I look at your heavens, the work of your fingers, the moon and the stars, which you have set in place, what is man that you are mindful of him?"

Learning about space reminds us how small we are compared to the universe. But as we stare into the night sky, we should remember that the awesome God who created comets, planets, and spiral galaxies is the same God who has a plan and purpose for each one of our lives (Proverbs 3:5–6).

Even though the universe has God's fingerprints all over it, many people believe in the idea that a "big bang" billions of years ago formed the universe. But the Bible tells us that Earth and everything in the universe didn't come from a "big bang." God created the Earth first, and then he made the sun, moon, stars, and planets (Genesis 1:6–19).

This book explores the beautiful and bizarre objects of space. Along with facts about rockets, astronauts, and light speed, you'll learn about aliens (are they real or just a myth?) and your place in this world.

Ready to zoom into outer space? Well, buckle up. Here we go. 3, 2, 1 . . . Blast off!



THE UNIVERSE IS HUGE, so big, that it's

mind-boggling. Astronomers (scientists who study space) are constantly discovering new objects in the universe—like stars that are nearly 2,000 times bigger than our sun.

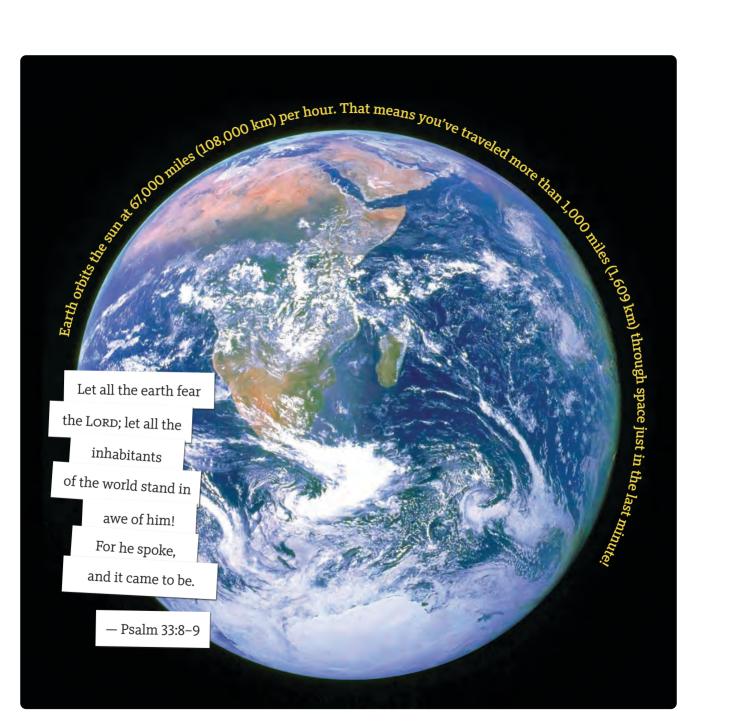
This desire to understand space isn't anything new. Since the beginning, people have gazed curiously into the night sky. But only within the past 100 years have we begun to better understand God's cosmic creations. Advances in technology are helping us see farther than ever into space, and the objects we find are breathtakingly beautiful and shockingly bizarre.

It's incredible to realize that the universe was made "by the word of the LORD" (Psalm 33:6). Without a doubt, the more we learn about space and its many mysteries, the more we marvel at how wonderfully created Earth really is.

The study of space is called astronomy.

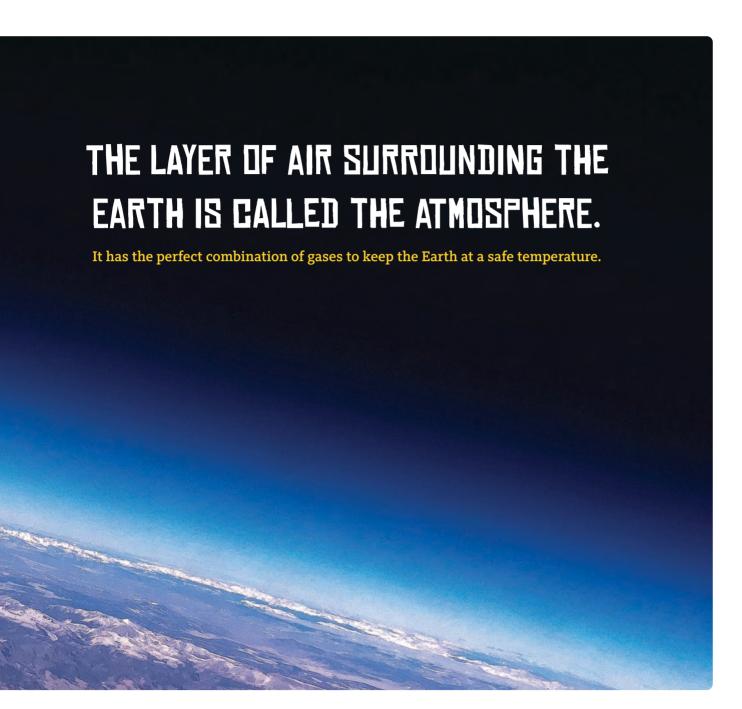




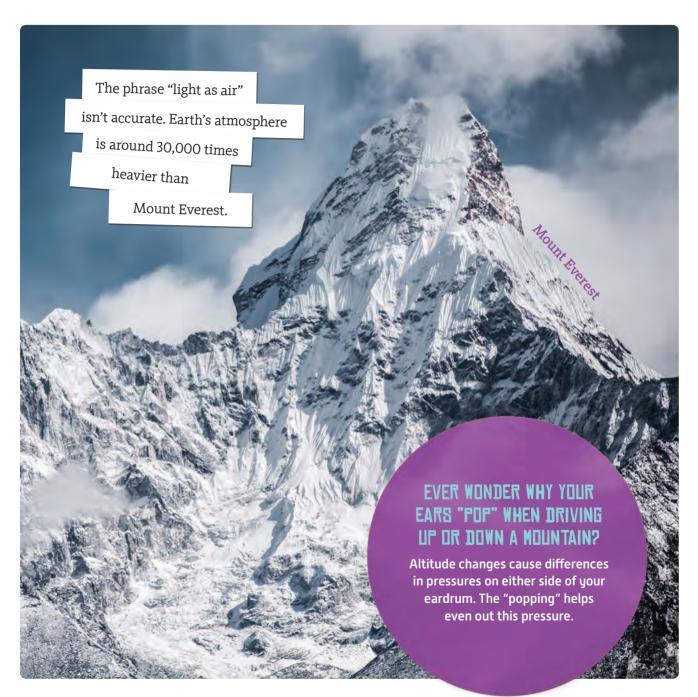


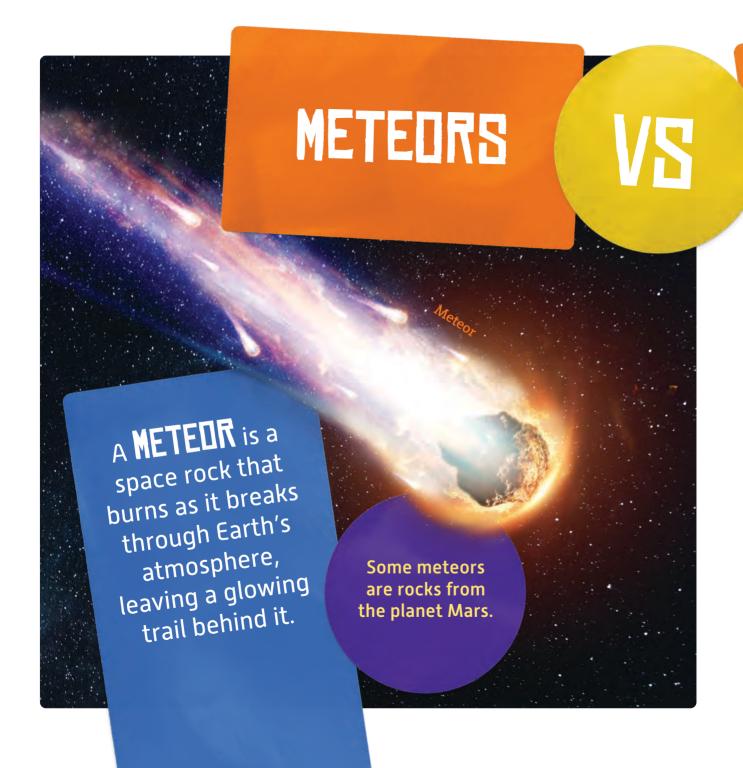












METEURITES

Meteorite

The biggest meteorite ever found weighs over 100,000 pounds (45,300 kg).

When a meteor hits the surface of a planet or moon, it's called a METEURITE

Because 71% of the Earth's surface is covered in water, most meteorites make a big splash instead of a loud crash when reaching the surface.





EARTH'S INVISIBLE FORCE FIELD

The moon's surface is covered with over 100,000 craters. Over 5,000 of these craters are at least 12 miles (19 km) wide, the result of meteorites slamming into the moon's surface.

So why don't giant meteorites like those regularly hit the Earth? Part of the answer is that Earth's atmosphere acts as an invisible force field. When meteors plunge toward the Earth, gases in the atmosphere cause friction against the rocks, making them burn up before reaching the ground.

God, in his perfect wisdom, created this protective shield on day two of creation week (Genesis 1:6) to protect the life he would create on days five and six (Genesis 1:20–27). God was making sure we would be safe before we even existed!



10.4 million pounds (4.7 million kg) of space dust fall to Earth each year. That's about the weight of 2,500 cars.