

















SWING HIGH INTO THE SKY



WATCH THE COLORIUM LEWES DANCE. BLOW OUT BIRTHON CAMPLES









34



SPIN A PINWHEET





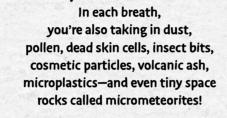


AIR UNDER THE MICROSCOPE

NITROGEN

OTHERS

Yummy-air soup! Bon Appétit!





RECIPE FOR THE AIR WE BREATHE!

Want to make an "air soup"? Just mix lots of nitrogen (about 3/4), a good dash of oxygen, and sprinkles of water vapor, argon, carbon dioxide, and methane.

Greenhouse gases like carbon dioxide and methane keep our planet warm-but too much of them can make Earth too hot.

OXYGEN



GREENHOUSE GASES



OXYGEN CATASTROPHE?

Believe it or not, our beautiful, breathable atmosphere wasn't always here. About 4.5 billion years ago, Earth was surrounded by unbreathable gases-and it was extremely hot!

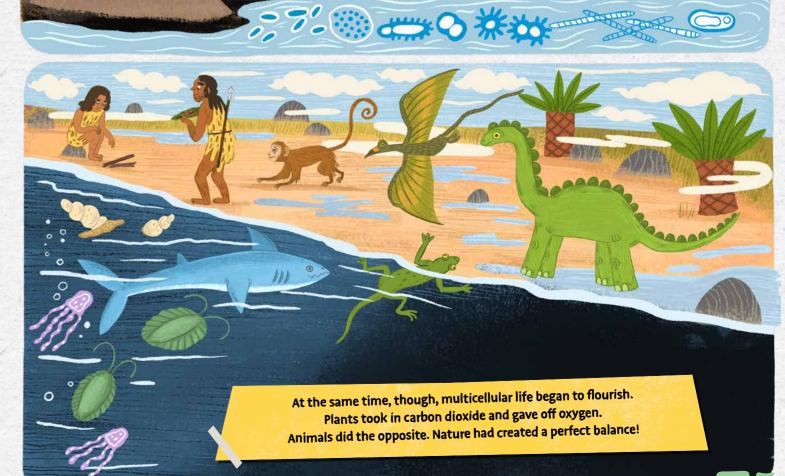
... OR WHERE DID OXYGEN COME FROM?

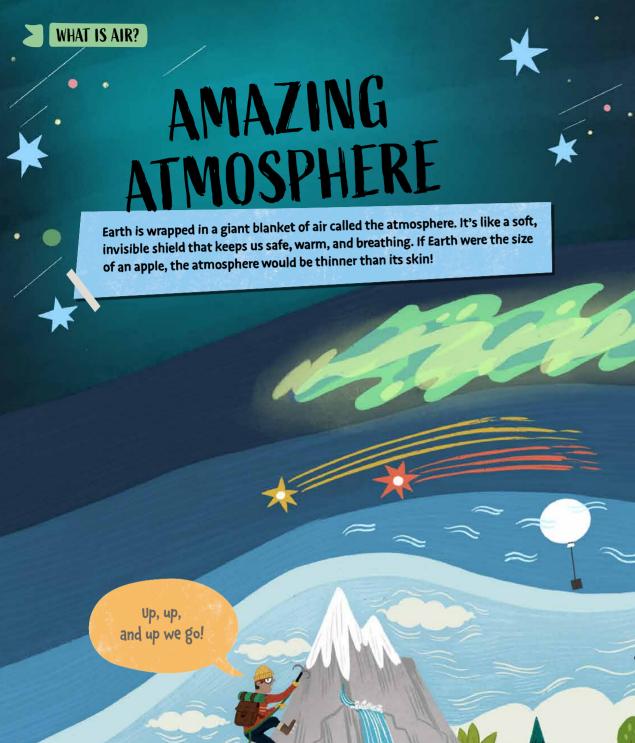
VOLCANOES ERUPTED, FILLING THE SKY WITH CARBON DIOXIDE AND AMMONIA.

Some of the carbon dioxide dissolved into oceans. Some was processed by simple organisms, which-surprisingly-made oxygen as waste! The amount of oxygen in the air began to rise . . . fast.

AND DISASTER STRUCK!

Around 2 billion years ago, so much oxygen built up that many early life forms couldn't survive.





OUTER SPACE: BEYOND THE ATMOSPHERE

EXOSPHERE

Where artificial satellites fly. The edge of space.
This topmost layer slowly fades into outer space.
It's where many satellites orbit.

435-6,200 MILES (CAN REACH 3,100°F)

WHAT IS AIR?

THERMOSPHERE

The world of auroras. Though it feels freezing to us, this layer is super-hot, thanks to the Sun's energy. It's where magical auroras dance.

50-435 MILES (UP TO 2000°F)

MESOSPHERE

Mysterious and cold! Brr, it's so cold here! It's the least explored part of the atmosphere. This is where meteors—tiny bits of cosmic dust—burn up as "shooting stars."

31-50 MILES (AS COLD AS -184°F)

And don't forget
the ionosphere! It overlaps
with other layers and helps
radio signals bounce
across long distances!

STRATOSPHERE

Ultraviolet filter. Military and spy planes soar in this calm, almost cloudless layer. Home to the ozone layer, which protects us from harmful rays.

7.5-31 MILES (AS COLD AS -103°F)

TROPOSPHERE

Our world. This is where we live. It's rich in water vapor, filled with clouds, weather, and all life.

Balloons and planes fly here too.

0-7.5 MILES

AS YOU CLIMB HIGHER, THE AIR GETS THINNER—THAT'S WHY MOST CLIMBERS USE OXYGEN TANKS.



GODS OF AIR

MAGICAL AIR

Since the beginning of time, people have been searching for an answer to the question of what makes the wind blow. And so, in different civilizations and at different times, a whole host of wind gods have emerged. Like the wind, the wind gods are unpredictable, difficult to control, and full of mischief.

SINCE ANCIENT TIMES, PEOPLE BELIEVED WIND CAME FROM POWERFUL GODS. HERE ARE A FEW:



MAUI

Maui, the Polynesian trickster hero, was known for his adventures, one of which involved trying to catch all the winds on his travels. He succeeded with most, but the gentle breeze known as Fisaga remained elusive, forever slipping through his grasp as a reminder of nature's untamable forces.



AETHER

In Greek mythology, Aether personified the pure, clear air of the upper atmosphere where the gods resided. This ethereal substance was considered vital for divine life, and it was believed that Zeus, in particular, enjoyed dwelling in Aether's realm, breathing its untainted air.

HURACÁN

Huracán, the god of wind, storms, and fire in ancient Mayan mythology, lived in the mists and storm clouds above the oceans. His name is the source of the word "hurricane," and he was said to appear at the start of the hurricane season, bringing fierce winds and destruction with him.



STRIBOG

The wind god of the ancient Slavs, Stribog's name comes from the Old Slavonic word "stri," meaning "sharp." He was believed to control the winds, both gentle and fierce. According to folk legend, his wife Melusine was a beautiful woman with flowing hair, whose mournful wails were said to echo like a lamentation, heralding the arrival of storms.

And let's not forget the Phoenix—a magical bird that rises from the ashes!



THOR

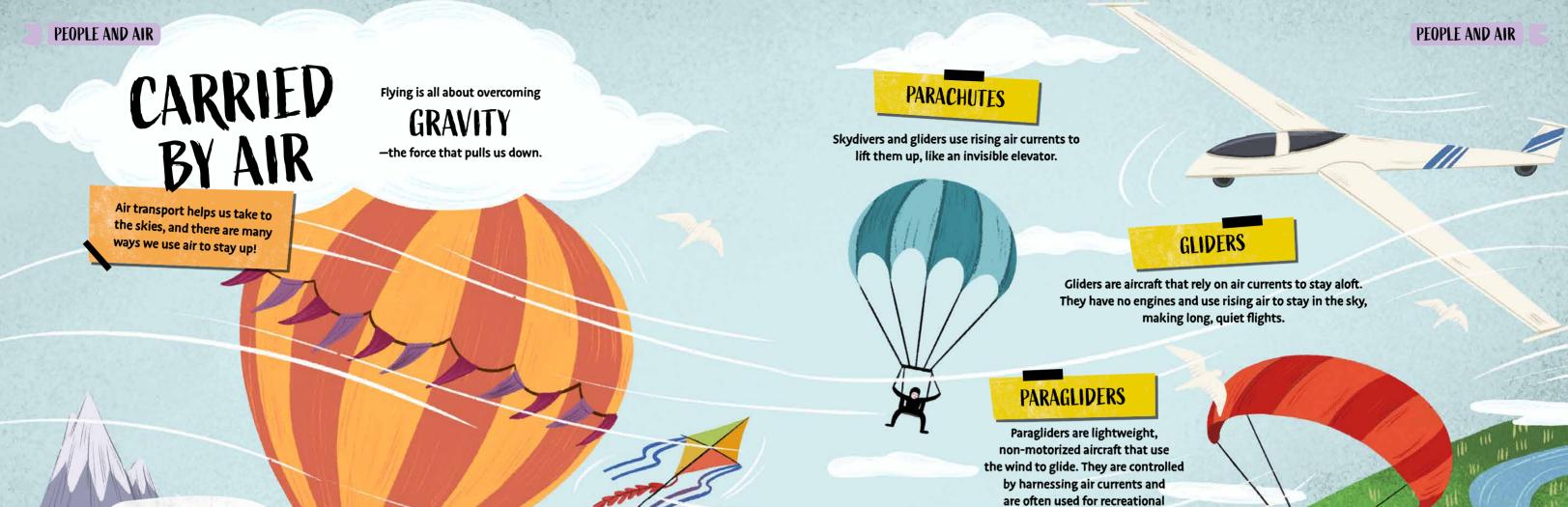
Thor, the Norse god of thunder, wielded his mighty hammer Mjolnir to summon storms and hurl lightning at his foes. His power over the sky and storms earned him his title as the God of Thunder, protector of both gods and humans from the chaos of nature's fury.



FENG PO PO

In Chinese mythology, Feng Po Po, also known as "Madame Wind," was the goddess who controlled the winds. Often depicted riding a tiger through the clouds, she embodied courage and strength. With a sack full of winds, she would keep them contained on calm days, but if angered, she unleashed powerful storms to show her fury.

32



The first balloon flight with a man on board was launched on November 21, 1783, by the Montgolfier brothers in France.



Hot air balloons float because they are filled with hot air, which is lighter than the cooler air around them.
When the air inside cools, the balloon falls back down.



flying and sport.

Kites were first made in Ancient China.

They float on air currents and can be used for fun, for religious purposes, and for military operations. They even help with weather forecasting.



The Wonders of AIR

BREATHE IN THE MAGIC OF AIR!

From flying animals and swirling storms to ancient wind gods and invisible molecules, this beautifully illustrated book reveals the amazing world of the air around us.

Young readers will learn how sound travels, how birds stay in flight, why the sky looks blue, and how we can protect the air we breathe.

Perfect for curious kids aged 6–10 who love science, nature, and big questions.











TARGET GROUP

ECO EDUCATION

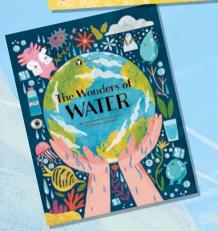
FUN TO READ

VOCABULARY

LEARNING

CHECK OUT OTHER BOOKS IN THIS SERIES!

Educational book



Sticker workbooks



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