

TA11A - Learn About The Atmosphere

Use with BrishLab ES11A

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1- What two words combine to form the word
Atmosphere?

Page 1

Para 1



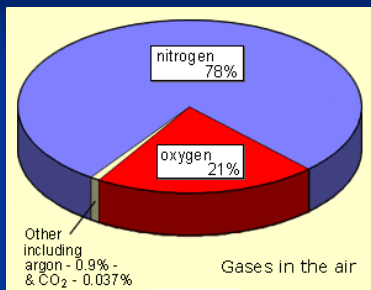
The word atmosphere comes from *atmos*, meaning vapor and *sphaira*, meaning sphere.

[Image Link](#)

2- Why would a balance of gasses be needed
for us to stay alive on Earth?

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Para 2



Because we need oxygen to live, and other gasses to keep our temperature stable.

[Image Link](#)

3- Compared to a basketball, how thick would
our atmosphere be?

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Para 3



Our atmosphere would only be as thick as a piece of paper if the Earth were the size of a basketball.

[Image Link](#)

4- How would the Earth and the moon be
similar without an atmosphere?

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Para 4



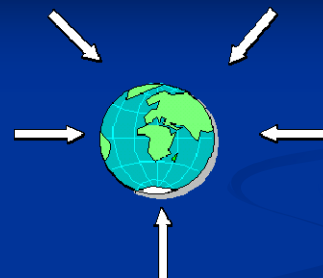
Without an atmosphere, we would have no water no life.

[Image Link](#)

5- If air is packed tighter together at Earth's
surface, what force could hold it there?

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Para 5



Gravity holds our atmosphere on Earth

[Image Link](#)

6- How does the **atmosphere** keep the **temperatures even** so that our water is not frozen or boiling?

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Para 6

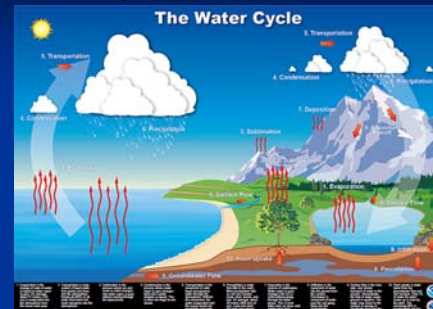


Our atmosphere traps energy much like a greenhouse.

[Image Link](#)

7- Water is locked in a water cycle. Is **any** more **water being made**?

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Para 9

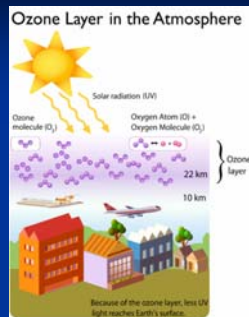


All Earth's water is recycled and used again. No new water is being made - just reused.

[Image Link](#)

8- How does the **Ozone layer** help keep us **alive**?

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Para 10

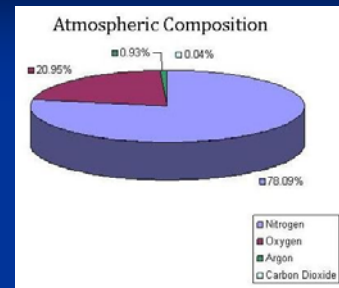


The **Ozone layer** helps us by absorbing the Sun's UV rays.

[Image Link](#)

9- There's a lot of talk about **Carbon Dioxide** in our air. What **percent** of our **air** is **Carbon Dioxide**?

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Para 11

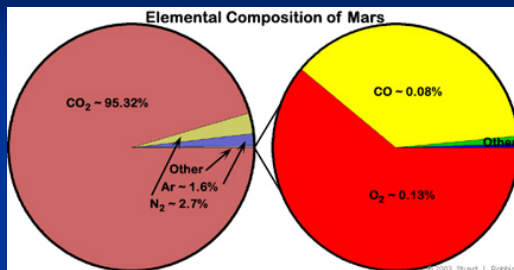


Carbon Dioxide makes up **0.0387%** of our air - a very small part.

[Image Link](#)

10- All atmospheres are made of gasses. How are **other planet's atmospheres** different?

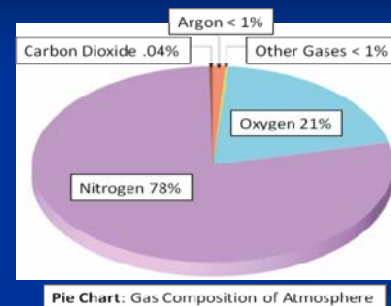
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Para 12



The types and amounts of gasses are all different.

[Image Link](#)

Draw and label a **circle graph** (pie chart) of the **top three gasses** that make up our atmosphere.



[Image Link](#)