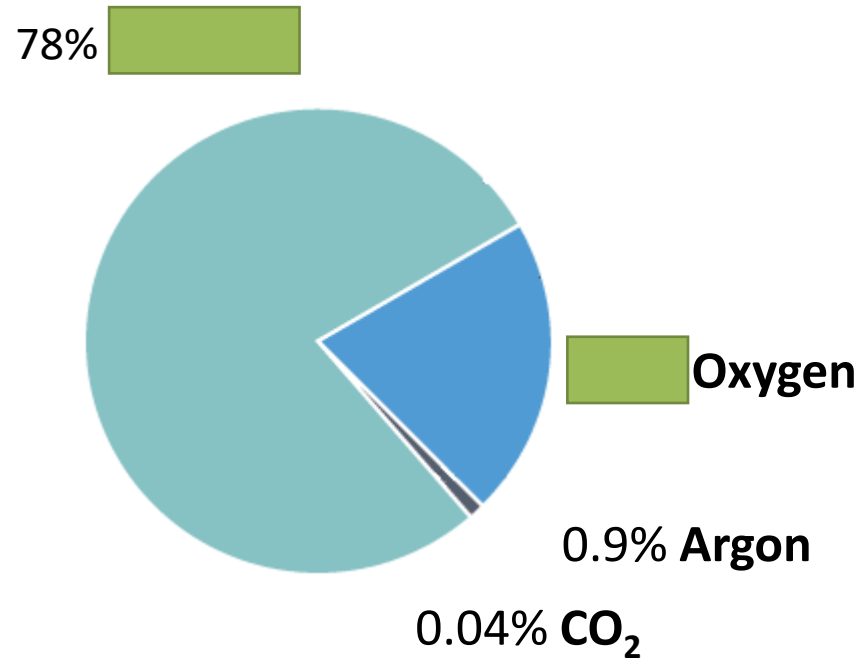


The Air

Air



$1\text{m}^3 = 1,000,000\text{ cm}^3$

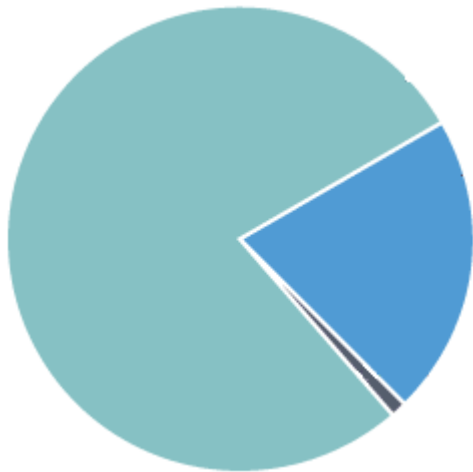
$1\text{ litre} = 1,000\text{ cm}^3$

- 1 What gas makes up 78% of air?
- 2 What percentage of the air is oxygen?
- 3 What is CO₂?
- 4 What fraction of the air is CO₂?
- 5 How long can the brain survive without oxygen?
- 6 What volume of air can our lungs hold?
- 7 How many breaths a day?
- 8 What is the volume of air we breath in a day?

Answers

Air

78% Nitrogen



21% Oxygen

0.9% Argon

0.04% CO₂

$1\text{m}^3 = 1,000,000\text{ cm}^3$

1 litre = 1,000 cm³

1 What gas makes up 78% of air?

2 What percentage of the air is oxygen?

3 What is CO₂? Carbon dioxide

4 What fraction of the air is CO₂? $\frac{0.04}{100} = \frac{1}{2500}$

5 How long can the brain survive without oxygen? 6 minutes

6 What volume of air can our lungs hold? 6,000 cm³ or 6 litres

7 How many breaths a day? 20,000

8 What is the volume of air we breath in a day? 11m³ or 11,000 litres