

What is CO₂?

Counting carbon in parts per million (PPM)

Name: _____



You will need

- Yellow dried peas
- Green dried peas
- 1 container



What to do

Collect 9 green peas from the container.

Add 1 yellow pea, to make a total of 10 peas. This is 'one yellow pea, per ten peas', or 'one part per ten'.



Questions

1. What might 1 part per million look like if you had 1 green pea per million yellow peas?

2. What volume (how much space) do you think this will take? Would it over flow the container?



What's happening?

In scientific language, gases such as CO₂ are often represented as 'parts per million' or PPM. This can be a difficult term to visualise, but looking at the peas, now you can see what it might look like... Why don't you try 1 green pea in 100 yellow peas!