

INTRO TO AIR QUALITY 2



Time: 30-40 minutes

Activity Overview

These activities build on the knowledge learned from the Air Quality 1 pack. They are suitable for children aged year 4 to 6.

What you'll need: A pencil and some paper or a workbook to write on.



1. What are the main causes of air pollution?

- Air pollution is caused by burning fossil fuels. These include things like petrol and diesel – which we use to power vehicles.
- It is also caused by burning gasses - like those we heat our homes with.
- Take a look at this picture. Can you see anything that would create air pollution? Can you see anything that wouldn't?

TIME CHALLENGE!

Time yourself for 5 minutes, and see how many things you can spot that would cause air pollution



How many things did you find?

2-3 things?
Look harder!

4-5 things?
Keep looking!

6-7 things?
Not bad!

8-9 things?
Pretty good!

10 + things?
You're a star!



Remember – anything that burns fuel creates air pollution – so anything with an engine counts, and any buildings too!

WE'D LOVE TO HEAR FROM YOU!

Share pictures/videos of you taking part in our activities on....



#BIKEITATHOME

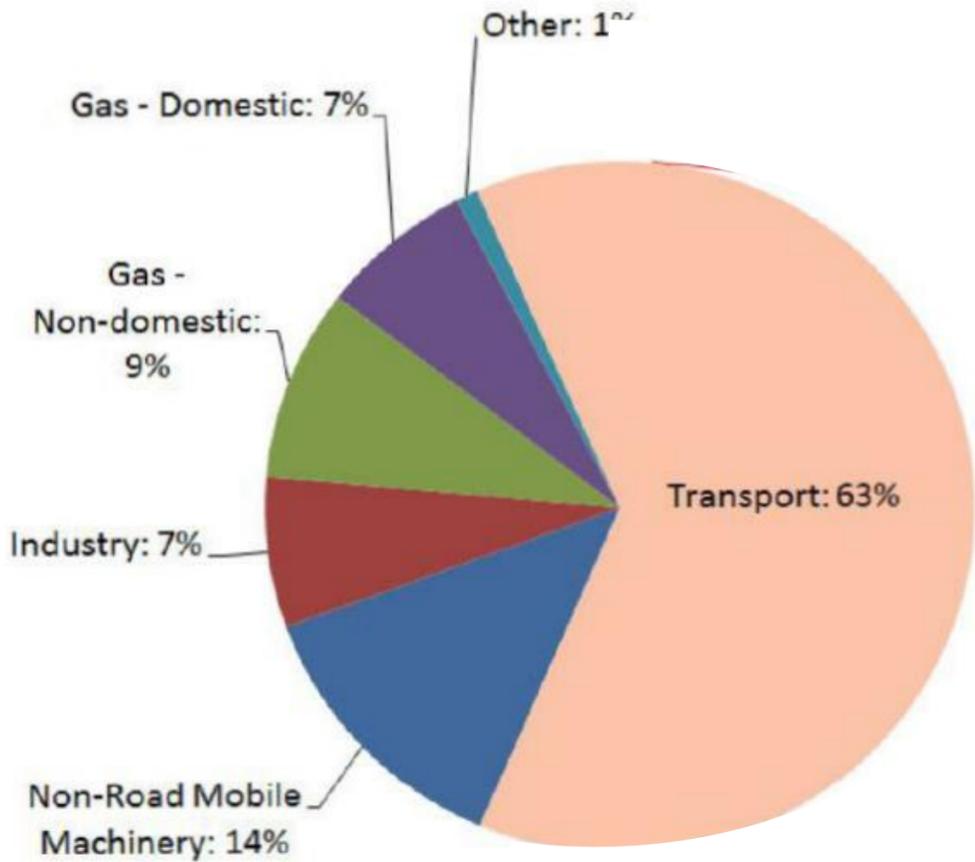
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Click on the faces to link to our activity feedback survey

2. Creating your own pie chart!

- Pie charts show how the proportions of a percentage split using segments of a circle – so it looks like a pie!
- The bigger the slice of pie, the bigger the percentage.
- Below is an example which shows how much air pollution is caused by different sectors of our society.



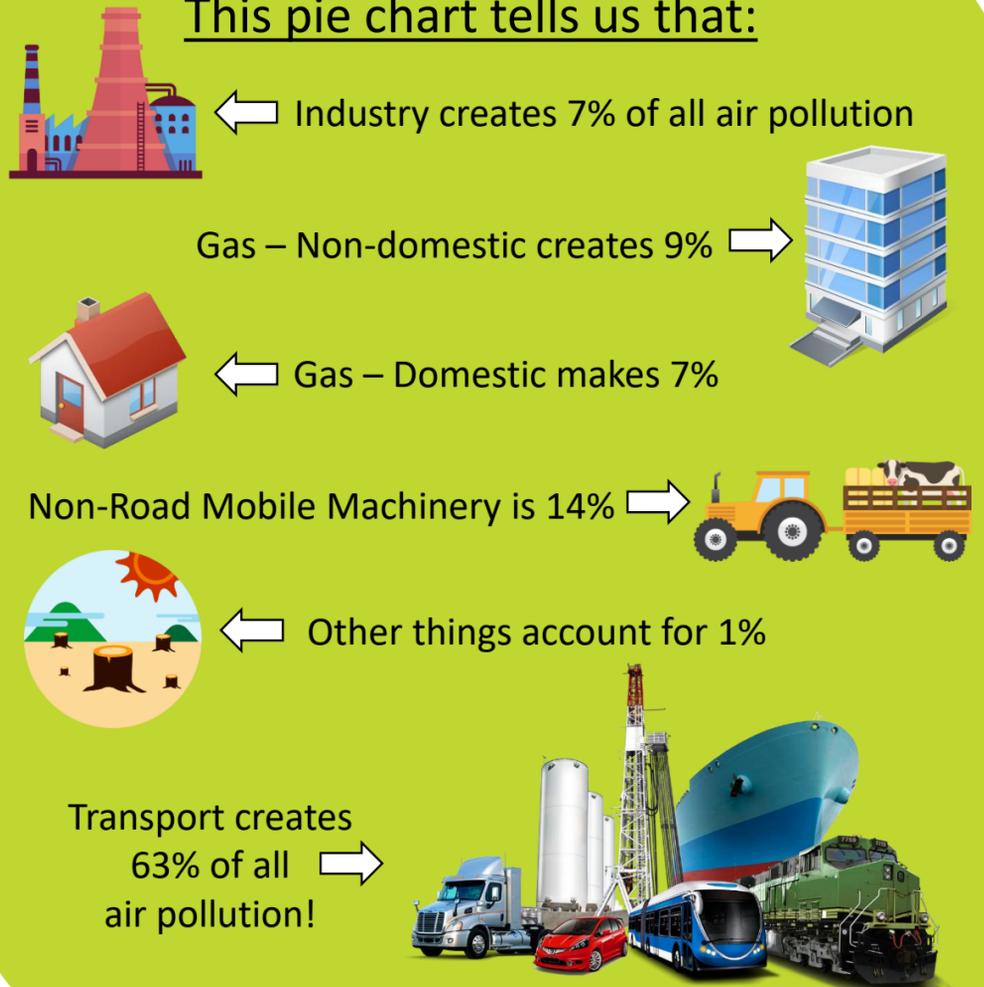
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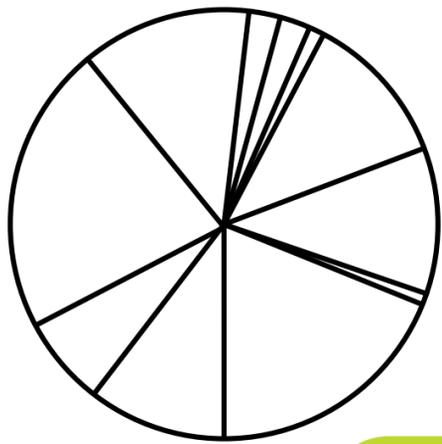
JOIN THE MOVEMENT

This pie chart tells us that:



Now let's make one of our own...

1. Start by drawing a circle. If you have a drawing compass then use that, otherwise find something round like a bowl or mug, and just draw round that.



2. Next draw in the pie chart separations just like this.

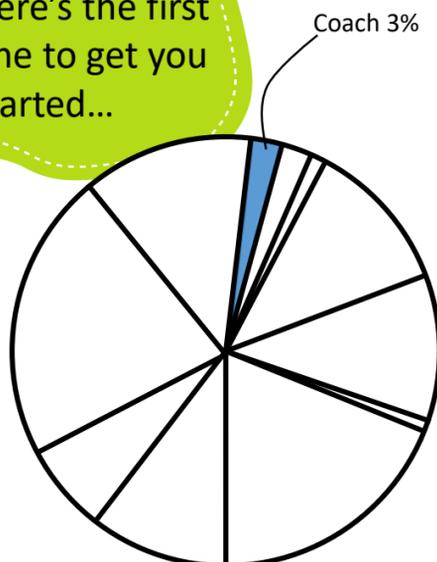


...it should look something like this

3. Now that you have your pie chart, colour in each segment with a different colour, and try to label the segments using the data from this table.

Mode of travel	Percentage
Coach	3%
Taxi	3%
Motorcycle	1.5%
Ground based aviation	12%
Rail	12%
River	1.5%
Diesel Car	17%
Petrol Car	11%
Van	8%
Lorry	19%
Bus	12%

Here's the first one to get you started...



DID YOU KNOW...

- Steam is not air pollution, it is just water vapour.
- Steam itself is invisible. What we see as steam is actually the air condensing because of the hot steam.
- In the olden days steam was used to treat people who were suffering from asthma.