

# What is global warming?

## Worksheet

Science

Miss Couves



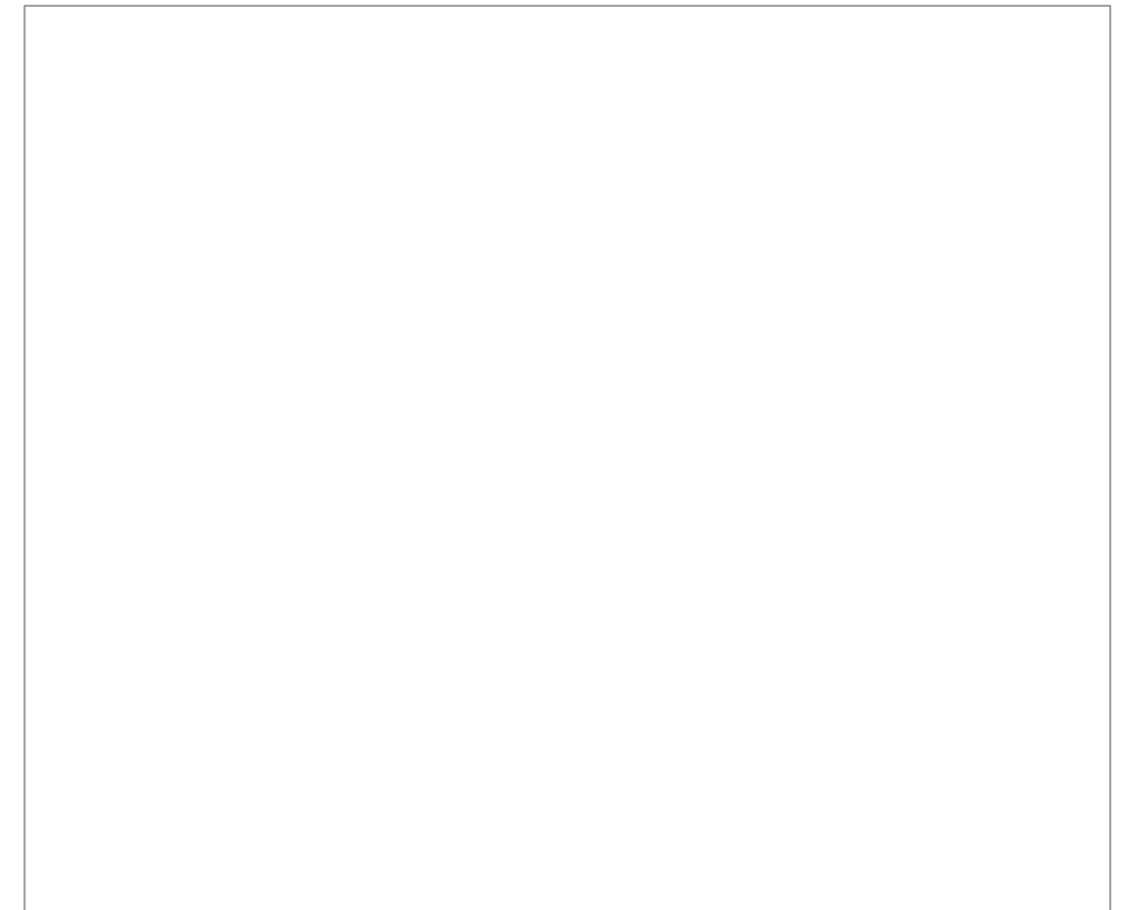
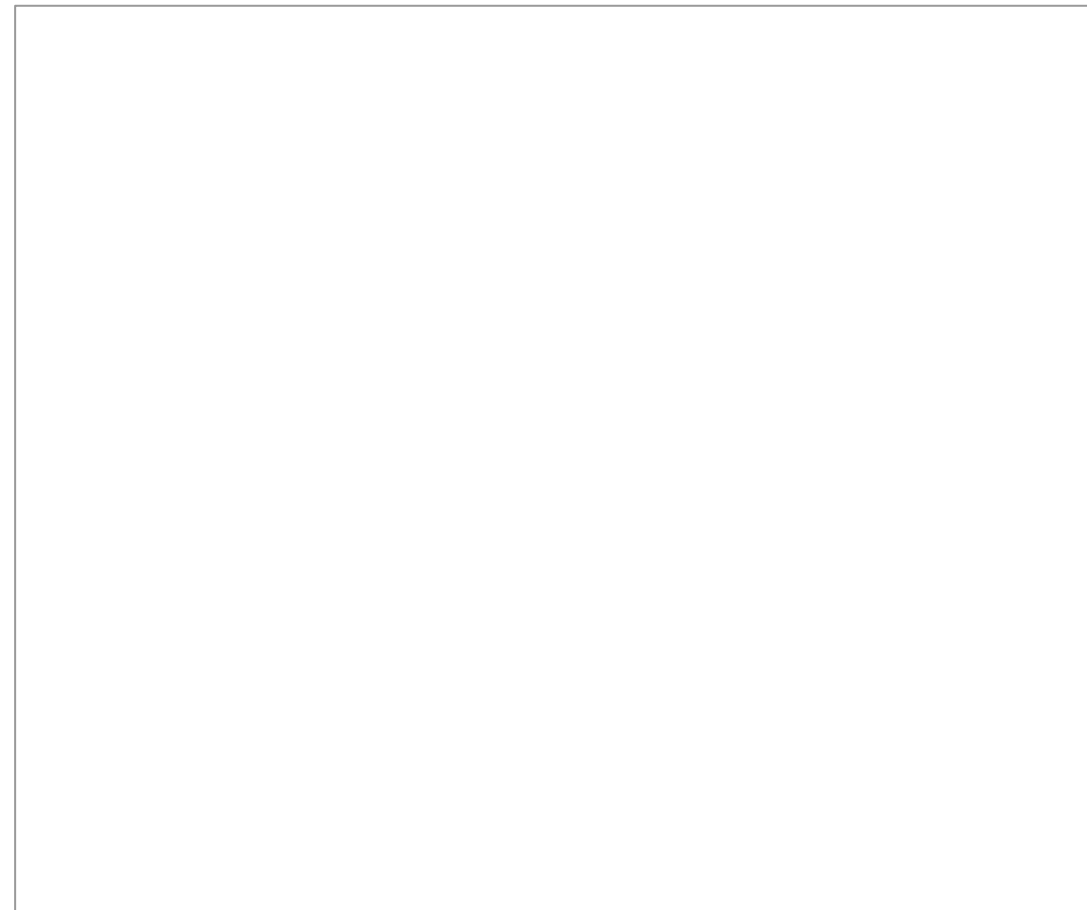
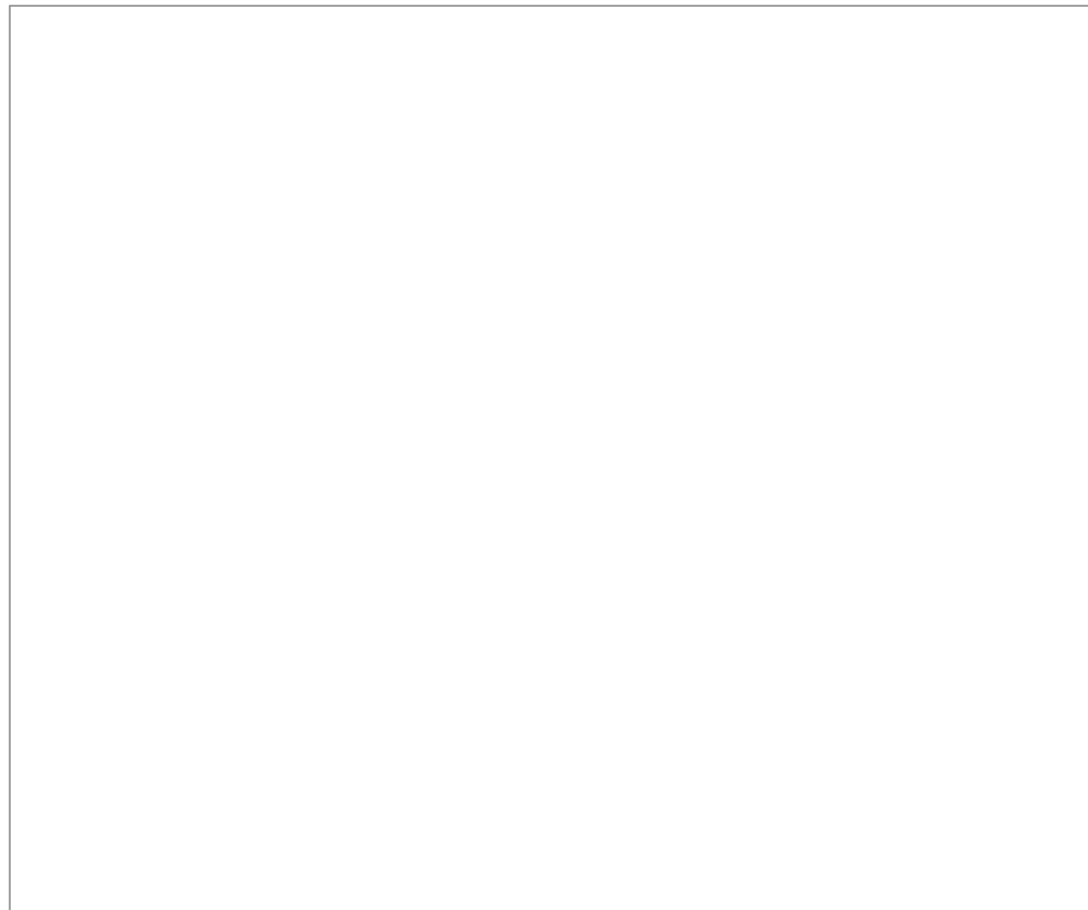
# Natural materials

A material that comes from \_\_\_\_\_.



# Synthetic materials

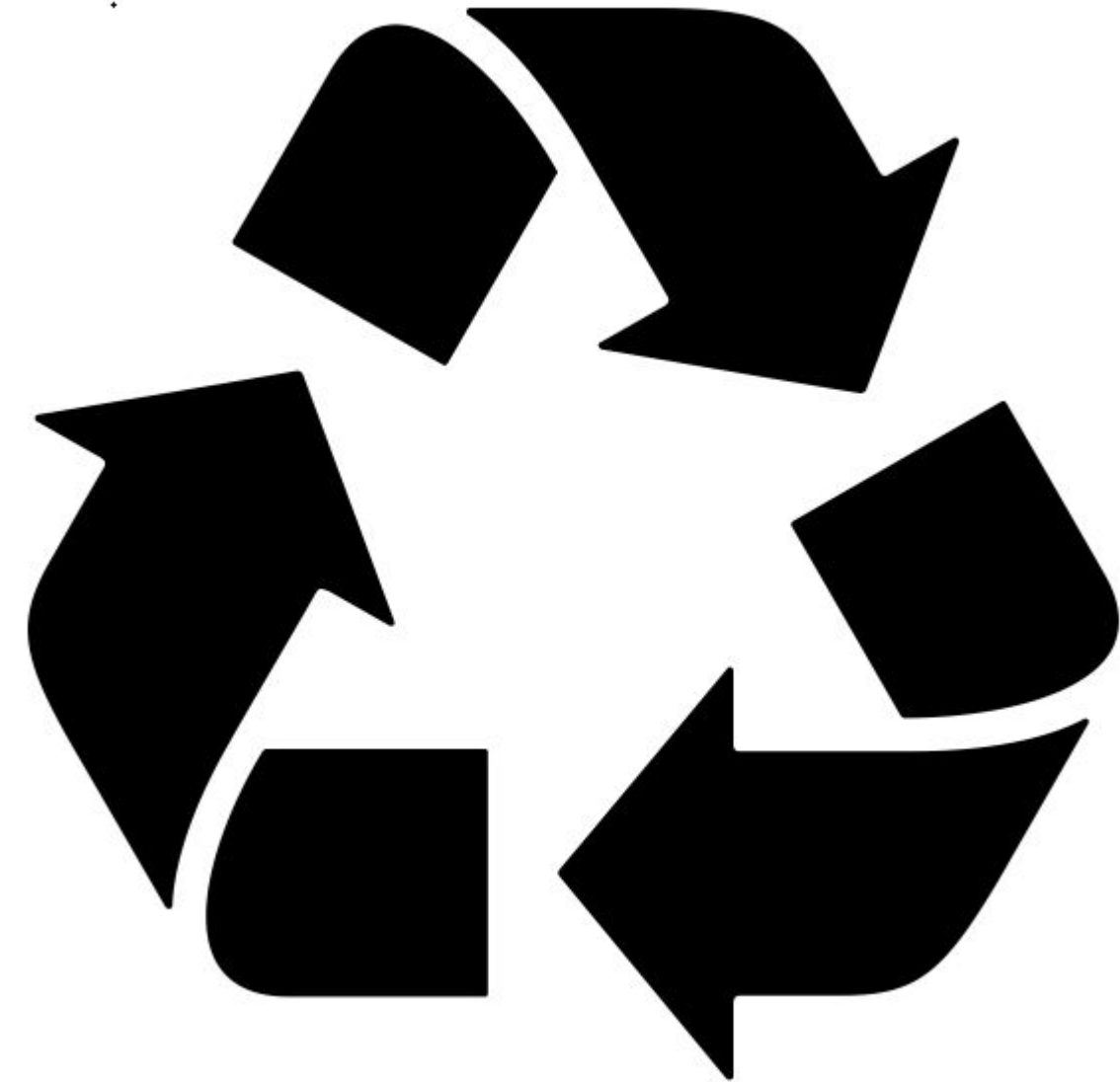
A material that is \_\_\_\_\_ .



# What is sustainability?

Meeting the needs of the present without sacrificing the ability of future generations to meet their needs.

- R\_\_\_\_\_
- R\_\_\_\_\_
- R\_\_\_\_\_



Credit: iRecycle by Loren Klein from the Noun Project

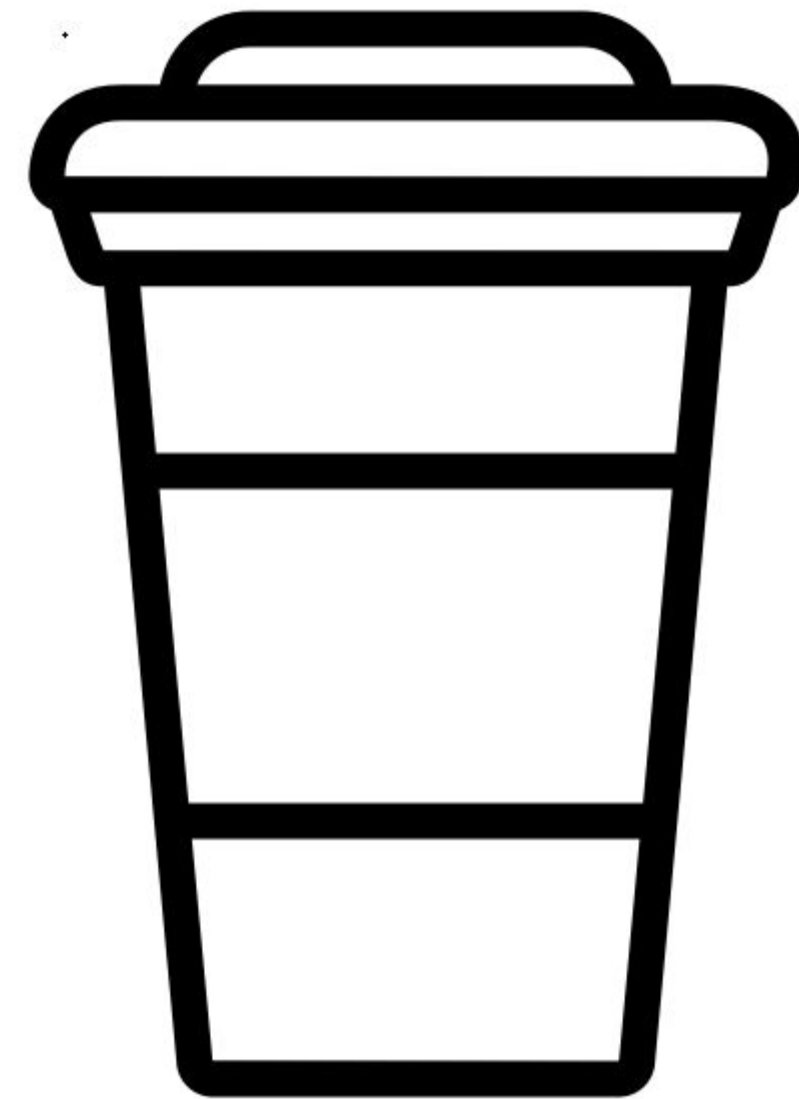


# What is a life cycle assessment?

Coffee shops have started giving discounts for bringing your own cup. To work out if this is really better for the environment we need to think about 3 things:

- **How is it \_\_\_\_\_?**
- **How is it \_\_\_\_\_?**
- **How is it \_\_\_\_\_?**

Credit: coffee mug by Pundimon from the Noun Project



# What is a fuel?

## Fuel



Credit: Burn by art shop from the Noun Project

- A fuel is a substance that can be \_\_\_\_\_.
- Examples:
  - Wood
  - C \_\_\_\_\_
  - C \_\_\_\_\_
  - N \_\_\_\_\_



# How do scientists represent combustion?

## Combustion



Credit: Burn by art shop from the Noun Project

Scientists represent reactions using word equations.

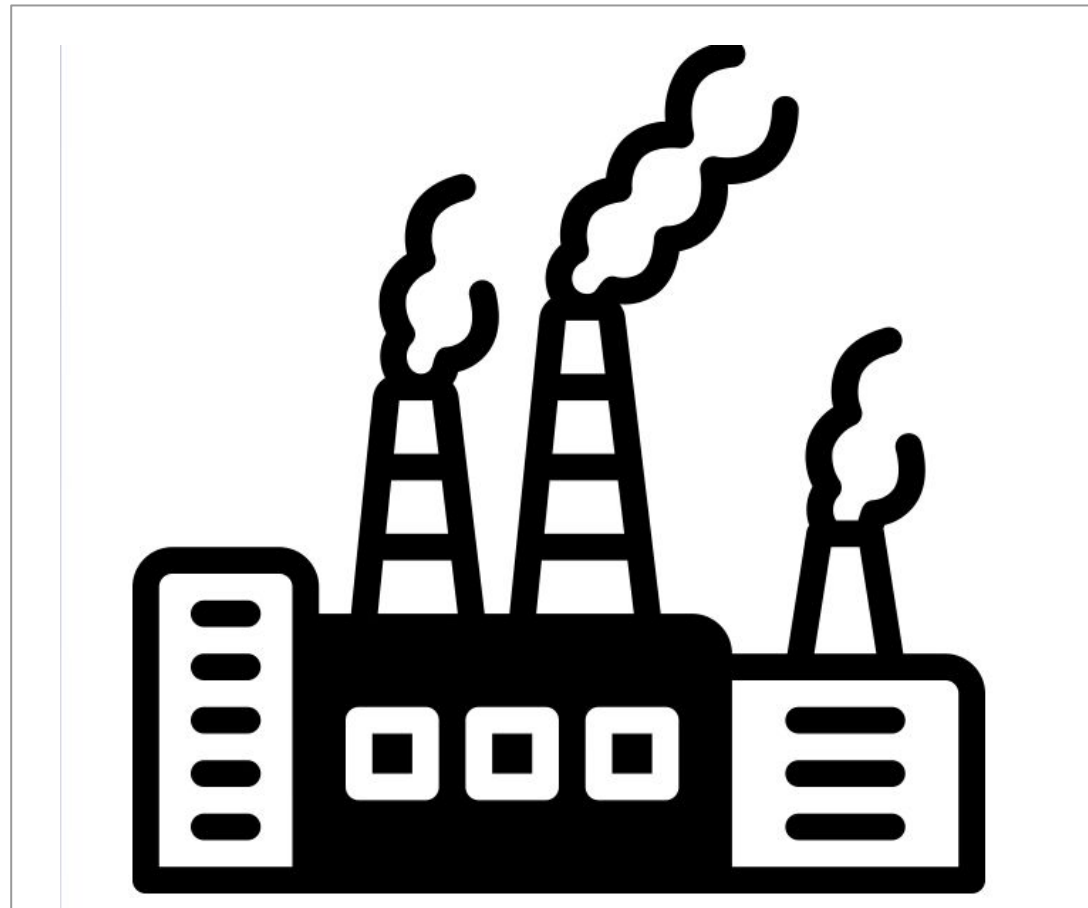
Reactants → Products

fuel + oxygen → carbon dioxide + water



# What is a pollutant?

## Pollutant



Credit: pollutant by priyanka from the Noun Project

A pollutant is a substance that

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Examples:

- Carbon dioxide
- Hydrogen sulfide





# What is a greenhouse gas?

1. Which gas is responsible for keeping the earth warm?
2. What does a greenhouse gas do?
3. Why are greenhouse gases important?



# What is the increased greenhouse effect?

1. What is happening to the amount of carbon dioxide in the air?
2. How are humans causing this?
3. What is happening as a result?



*Why do you think humans have not changed their behaviour very much to stop global warming?*

