

### blass buardians

You know what recycling means.



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You know at least one material that can be recycled.



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You know where the recycling bin is at home



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You think we should recycle more



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What materials can be recycled?



#### These materials can all be recycled!

What do these things have in common?

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#### All these materials are used for packaging.

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### Glass Guardians

Why do we need packaging for lots of our food, drink and toiletries?

#### Glass Guardians

# Why do we need packaging for lots of our food, drink and toiletries?

It keeps them clean.

It means things can be transported efficiently.

It stops goods from getting damaged.

# Packaging is made from lots of different natural resources:



Cardboard is made from trees.



Plastic is made from oil.



Steel is made from iron and carbon.



Glass is made from sand, limestone and soda ash.



Class Everedians

Aluminium is made from a mineral called bauxite.











#### What is the impact on the environment?

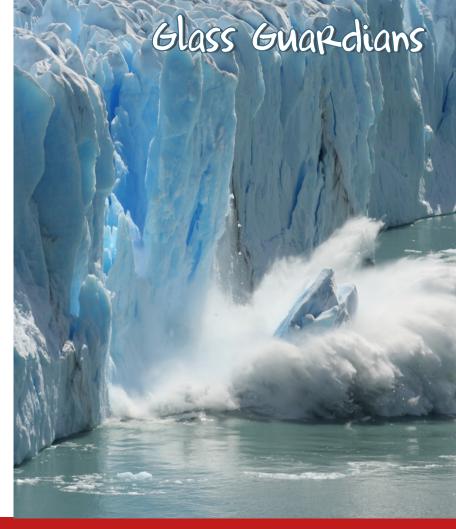
#### What happens when packaging is made?

The process of turning natural resources into other materials uses energy and releases CO<sub>2</sub>.

CO<sup>2</sup> emissions in our atmosphere can cause our planet to heat up, this is called **global** warming. It is causing the ice in the Arctic to melt and sea levels to rise.

The natural materials used are precious to us and our world.

These natural resources take a long time to be replaced, and **sometimes cannot be replaced** at all.



#### What is the impact on the environment?

# What happens when packaging is thrown away?

It goes to landfill.

It costs councils to dispose of it in landfill or incinerate (burn).

The materials are lost, so more natural resources have to be used

**More energy is used** if natural resources have to be processed.



# What can we do to minimise the environmental impact of packaging?

You can become a **GLASS GUARDIAN** and learn more about materials to help others look after the planet.

You will complete four missions in class with your teachers to become a **GLASS GUARDIAN!** 

What can Glass Guardians do themselves and encourage other people to do?...



#### Recycle!

The benefits of recycling are:

- Less natural resources have to be used.
- It costs councils less to recycle than to send waste to landfill/incineration, so they can spend money on better things for the community.
- It saves energy.
- It reduces CO<sub>2</sub> emissions, which helps prevent global warming.

Some materials can be recycled over and over again without losing quality. One of those materials is glass!



### How is glass recycled?

### Glass Guardians



