Task 1

Read through the steps below of how glass packaging is recycled. Draw a cartoon strip or storyboard that shows the glass recycling process.

- **Step 1:** Glass bottles and jars are collected from glass banks or directly from people's homes. They can be broken up and re-melted over and over again, and each time the glass is as good as new.
- **Step 2:** The glass bottles and jars are separated from other recyclable material (like plastic, cans and paper) using magnets, vacuums and even x-rays. When just the glass is left it is separated by colour — green, amber and clear — using lasers.
- **Step 3:** Once the glass is sorted and separated it is called a cullet. The cullet is sent to manufacturers to be made into new jars and bottles.
- **Step 4:** Glass is made from sand, limestone and soda ash. But if there's lots of cullet the factory can use this – and much less of the raw materials.
- **Step 5:** Once all the ingredients are mixed together it's called the batch. The batch is put into a furnace, which gets up to 1,500 degrees Celsius! Using cullet means it takes less energy to melt the batch and CO2 emissions are lower, which helps protect the environment
- **Step 6:** Once the batch is melted into glass, it can be shaped by machines into new bottles or jars.

Task 2

Read through the glass recycling facts below. Using the facts, write a paragraph that aims to persuade people to recycle more glass bottles and jars.

...bottles and jars made in the UK in 2016 contained 39% recycled content on average – and glass factories would like to increase that.

...glass is completely non-toxic and doesn't react with its contents – that's why bottles and jars don't need any extra lining, making them simple to recycle.

...glass can be recycled over and over again endlessly, with no loss of quality or purity – unlike many other packaging materials.

... in 2016 around a third of glass packaging used in the UK wasn't recycled – what a waste!

...recycling two glass jars saves enough energy to bake a lasagne – so every time you recycle you're reducing your carbon footprint.

... all glass bottles and jars are 100% recyclable.

... glass manufacturers like to use recycled glass to make new bottles and jars – it releases less CO2 and uses less energy than melting raw materials, and that helps protect the environment.

... your empty glass bottles and jars can be recycled into new ones, and be back on a shop shelf in as little as 30 days.

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