

Name: \_\_\_\_\_

## Theme Based Study Sheet

### Glass facts

People make glass by melting a particular kind of sand in a fire. Obsidian is a natural glass which forms when sand from a volcano is heated by the hot gases until it melts into glass.



It was about 3000 years ago that people started making glass for themselves.

When glass breaks, the cracks can move at speeds of more than 3000 kilometers per hour. Scientists have made a special metallic glass as strong and tough as any known material.

Glass takes over 1 million years to decompose in our landfills and dumps.

Do you know any more interesting facts about glass?

### What is glass used for?

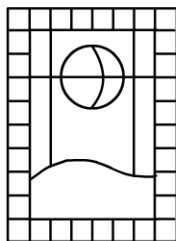
Bottles, jars, windows, mirrors, and spectacles are just a few things made of glass.

Go on a "glass hunt" in your classroom and home and list all the things you can find that are made of glass.

Why is it important to recycle glass?

### Stained glass

Stained glass is colored glass that is cut into shapes and put together to form a picture or design.



Stained glass windows have been used in churches for

over a 1000 years. They have also been used in homes as decoration for hundreds of years.

Search for examples of stained glass then design your own stained glass window. It can be a picture or a pattern.

### Writing a narrative

Imagine that you awoke one day to find whenever you touched something made of glass, it melted!

Write a short narrative (story) based on your experiences that day.

Plan before you write.

Think about the sequence of events.

How did you find out? (Was it when you touched a mirror or drinking glass?)

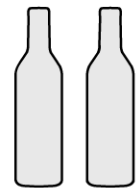
How did your family and friends react?

What happened at school?

How does the story end (resolution)?

### Number Crunchers

Shelly and her friends had a competition to collect glass bottles to recycle.



This is what they each collected:

Sally - 42

Niki - 38

Tim - 29

Shelly - 44

Jade - 45

Maria - 50

How many did Shelly and Tim collect?

How many did Sally and Niki collect?

How many did Jade and Maria collect?

How many more did Maria collect than Tim?

How many bottles were collected altogether?



For more fun and revision you can play games online using Studyladder's website.