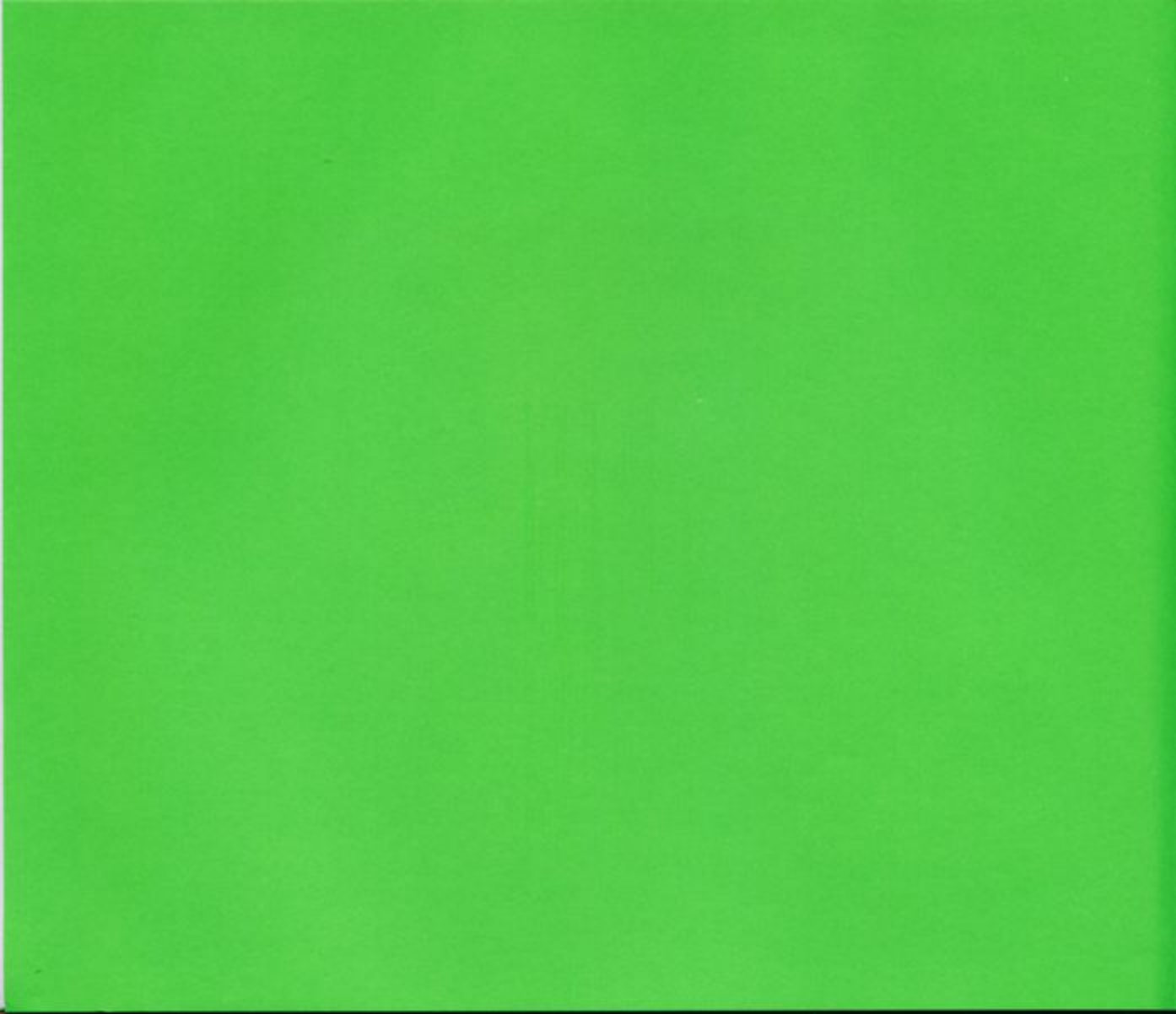


Materials

Glass







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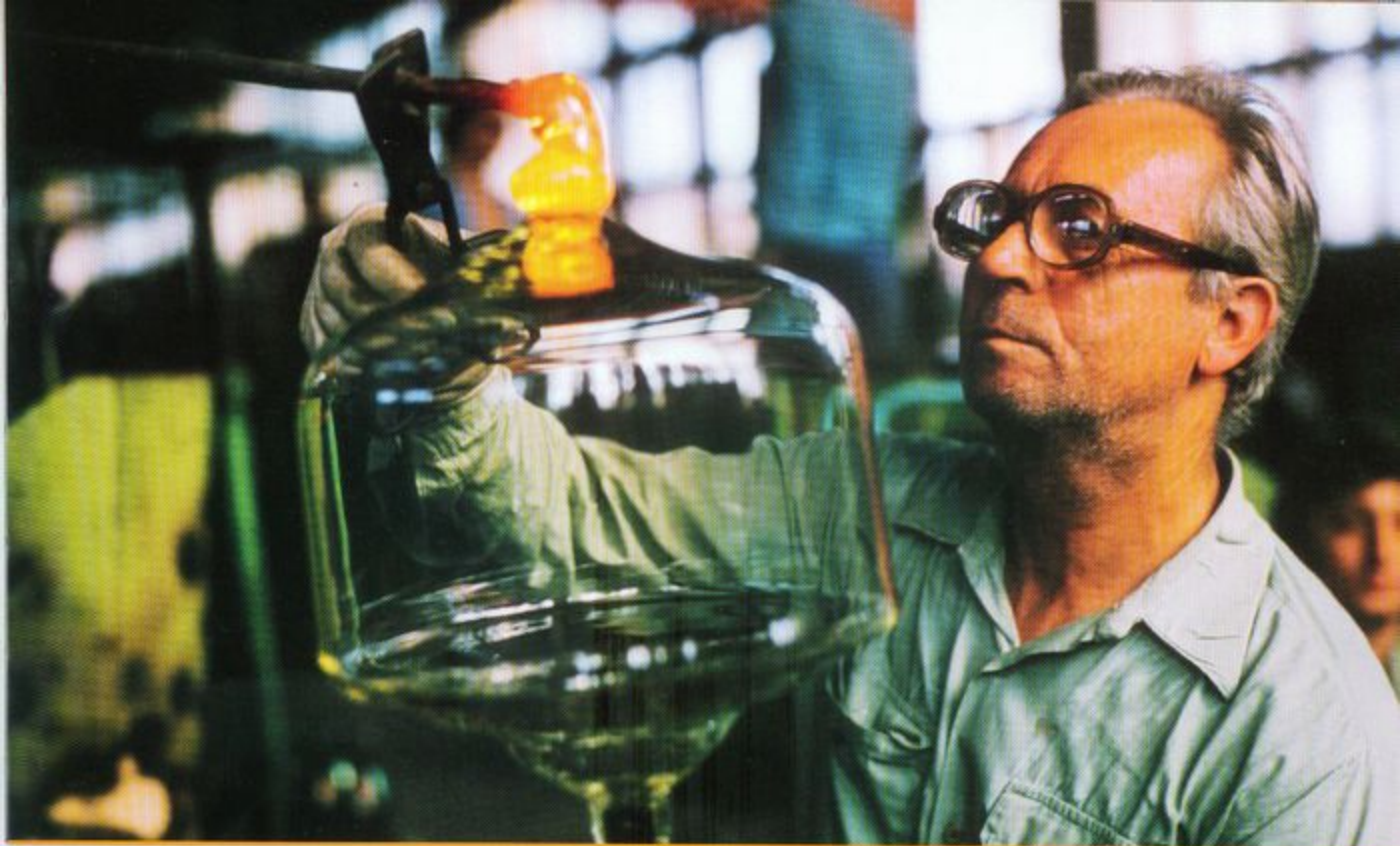
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What is glass?



Glass is something made from sand.
Sand is a natural material.



Glass is made by people.



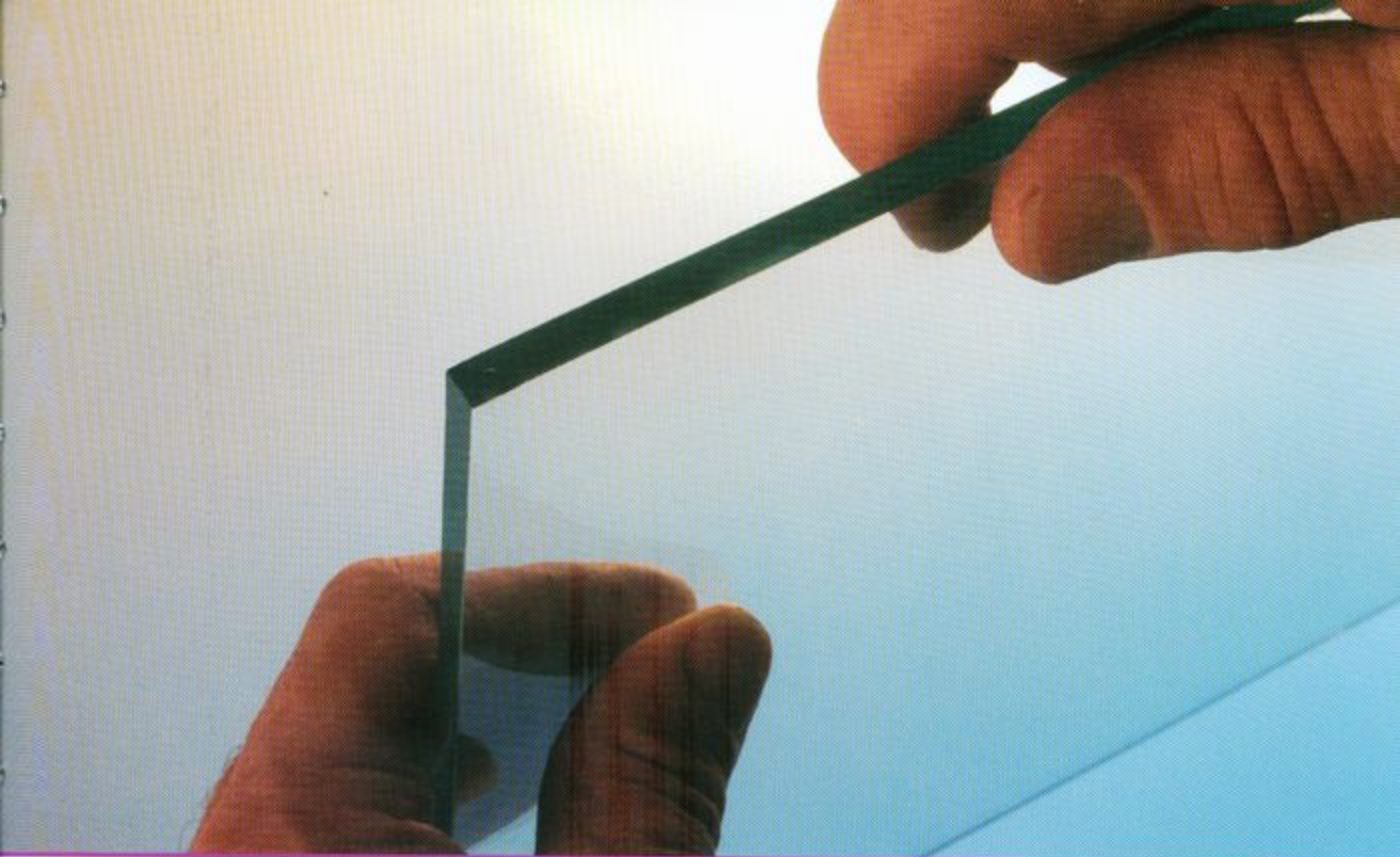
Glass can be clear.



Glass can be coloured.



Glass can break.



Glass cannot bend.

What happens when glass is heated?



Glass can be heated.



Glass melts when it is very hot.



When glass is heated, it can be made into a new shape.



After it is heated, glass can cool down again.

Recycling glass



Glass can be recycled.



It can be heated and shaped into new glass.



Glass can be used to make new bottles.



Glass can be used to make new glasses.

How do people use glass?



Glass can be used to make windows.



Glass can be used to make bowls.



Glass can be used to make light bulbs.



Glass can be used to make lots of things.

Things made of glass

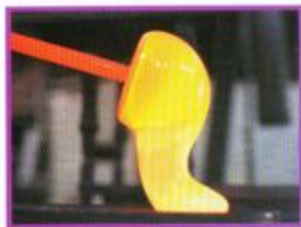


◀ drinking glasses

vases ▶



Picture glossary



melt change from a solid into a liquid. Glass is a material that melts when it is heated.



recycle take old things to make them into new things

Content vocabulary for teachers

material something that can be used to make things

natural material material from plants, animals, or within the earth that can be used by people

Index

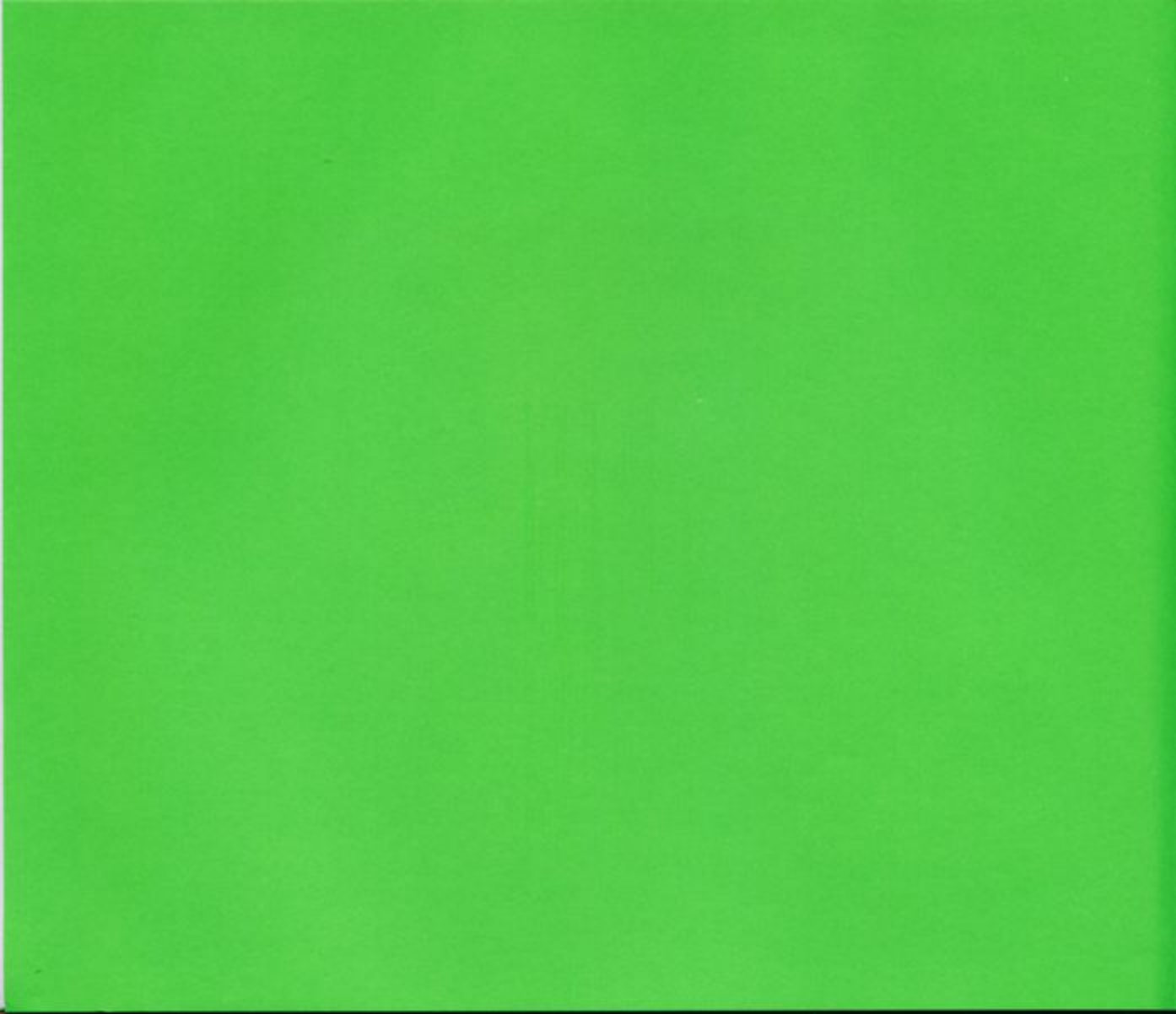
bottles	16	sand	4
bowls	19	shape	13
glasses	17, 22	windows	18
light bulbs	20	vases	22
people	5, 18–19		

Notes for parents and teachers

Before reading Ask the children to name things in the room made of glass. Discuss what life would be like without things such as windows, spectacles, windscreens, or light bulbs. Talk about the dangers of broken glass.

After reading

- Place eight identical glasses on a flat table. Fill each glass with a different amount of water. Tap the glasses with a metal spoon. Try tapping on different parts of the glass. Can the children find the notes for “Twinkle, Twinkle, Little Star”?
- Show the children examples of stained glass from books or the Internet. Give each child a small rectangle of tracing paper. Tell them to divide up the paper into shapes using a black felt-tip pen and then to colour in the shapes with bold colours. Display the “stained glass” on a window.
- Ask the children to find pictures in magazines of bottles made of different coloured glass – brown, green, clear. Talk about recycling glass and sorting it into different colours before recycling.



Glass



Literacy consultants

Diana Bentley and Dee Reid both have MAs in Children's Literature. Their work combines lecturing, writing for teachers, and working with children in primary classrooms.

Subject consultant

Sally Blake is the faculty research director of a school and research institute for Early Childhood Education. These books were evaluated by the Early Childhood teachers in Montesorri and Reggio programmes.

How is glass made?

Read this book to learn all about glass.

Books in this series introduce children to the exciting world of materials. Each book uses simple, repetitive text to teach basic vocabulary and includes stunning photographs that illustrate the properties of each material.

In *Glass*, readers learn how glass is made, what it is made of, and how it is used. Different objects made of glass are discussed, and readers learn that glass can be recycled.

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