

# Properties of glass

This task is about using the properties of glass to help answer questions.

## Properties of Glass

- Transparent
- Strong and hard, (but breaks under stress)
- Unreactive
- Can be melted and reused
- Electrical insulator

Use the above properties to answer the following questions.

a) Car windscreens are made from glass. What is the main property of glass that makes it useful for this?

|                                                |                                                                  |                                  |
|------------------------------------------------|------------------------------------------------------------------|----------------------------------|
| <input type="radio"/> Transparent              | <input type="radio"/> Strong and hard, (but breaks under stress) | <input type="radio"/> Unreactive |
| <input type="radio"/> Can be melted and reused | <input type="radio"/> Electrical insulator                       |                                  |

b) What property of glass allows it to be recycled?

|                                                |                                                                  |                                  |
|------------------------------------------------|------------------------------------------------------------------|----------------------------------|
| <input type="radio"/> Transparent              | <input type="radio"/> Strong and hard, (but breaks under stress) | <input type="radio"/> Unreactive |
| <input type="radio"/> Can be melted and reused | <input type="radio"/> Electrical insulator                       |                                  |

ii) Give one property of glass that would not make it useful for this purpose

|                                                |                                                                  |                                  |
|------------------------------------------------|------------------------------------------------------------------|----------------------------------|
| <input type="radio"/> Transparent              | <input type="radio"/> Strong and hard, (but breaks under stress) | <input type="radio"/> Unreactive |
| <input type="radio"/> Can be melted and reused | <input type="radio"/> Electrical insulator                       |                                  |

c) i) Milk containers used to be made from glass. Give the **two** main properties of glass that would make it useful for this purpose.

|                                                |                                                                  |                                  |
|------------------------------------------------|------------------------------------------------------------------|----------------------------------|
| <input type="radio"/> Transparent              | <input type="radio"/> Strong and hard, (but breaks under stress) | <input type="radio"/> Unreactive |
| <input type="radio"/> Can be melted and reused | <input type="radio"/> Electrical insulator                       |                                  |