

## KS1 Science Quiz - Materials - Weak And Strong (Questions)

This quiz addresses the requirements of the National Curriculum KS1 Science for children aged 5 and 6 in years 1 and 2. Specifically this quiz is aimed at the section dealing with weak and strong materials and why some things break but others don't.

You know that some materials are hard and others are soft. Some break easily but others do not. Some materials are weak and some are strong. Wool is soft, but if you pull it, it is quite strong. A glass vase is solid. It is hard to the touch. But it can break easily - it is weak if it is dropped. Here are ten questions about the strength of materials. Can you get full marks?

1. It is Mark's birthday. He is having a party. He is given a birthday card. There is a birthday cake with icing on it. There are candles on the cake. Afterwards, they all eat jelly. All these materials are weak. But which one of these materials is the weakest?



- Candle wax
- Cake with icing
- Birthday card
- Jelly

2. Ellie is eating ice-cream out of a glass dish. She accidentally knocks the glass dish off the table and onto the floor. What will happen?



- The glass dish will bounce
- The glass dish will bend
- The glass dish will break
- The glass dish will catch fire

3. Spoons go through ice cream easily. This is because ice cream is a \_\_\_\_ material.



- Solid
- Strong
- Weak
- Transparent

4. Which of these can you cut with scissors?



- Card
- Stone
- Steel
- Wood

5. String is very bendy and flexible. But if you pull on string it is very hard to pull apart. You need scissors to cut string. This is because string is:



- A very strong material
- Quite a strong material
- An elastic material
- A hard material

6. Trains run on tracks. The tracks are made of steel. This is because steel is very \_\_\_\_\_.



- Long
- Strong
- Weak
- Elastic

7. This is the British Museum in London. Many buildings are made of stone. Stone is cut from rock. Rock is a \_\_\_\_\_ material.



- Strong
- Weak
- Flexible
- Runny

8. Holly goes to the playground. She climbs up onto the bars. The bars must be strong to hold Holly. The bars are made from \_\_\_\_\_.



- Plastic
- Steel
- Rubber
- Wax

9. Wood is a strong material. But it can be cut. What do we use to cut wood?



- A hammer
- A screwdriver
- A saw
- A pair of scissors

10. The lead in a pencil breaks quite easily. The lead in a pencil is weak. Some people try to break the pencil itself. But it is hard to break pencils. This shows that:



- Pencil lead is quite strong
- Pencil lead is very strong
- Wood is quite strong
- Wood is weak

## KS1 Science Quiz - Materials - Weak And Strong (Answers)

1. It is Mark's birthday. He is having a party. He is given a birthday card. There is a birthday cake with icing on it. There are candles on the cake. Afterwards, they all eat jelly. All these materials are weak. But which one of these materials is the weakest?



- Candle wax  
 Cake with icing  
 Birthday card  
 Jelly

Do you like to eat jelly?

2. Ellie is eating ice-cream out of a glass dish. She accidentally knocks the glass dish off the table and onto the floor. What will happen?



- The glass dish will bounce  
 The glass dish will bend  
 The glass dish will break  
 The glass dish will catch fire

If you do break a glass, always ask an adult to see to it

3. Spoons go through ice cream easily. This is because ice cream is a \_\_\_\_ material.



- Solid  
 Strong  
 Weak  
 Transparent

Which flavour of ice cream do you like best?

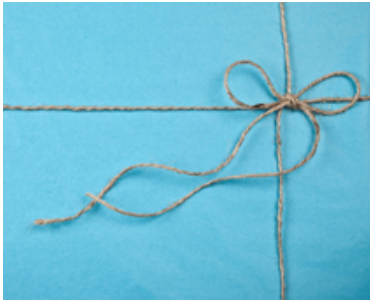
4. Which of these can you cut with scissors?



- Card  
 Stone  
 Steel  
 Wood

What do you like making at school?

5. String is very bendy and flexible. But if you pull on string it is very hard to pull apart. You need scissors to cut string. This is because string is:



- A very strong material
- Quite a strong material
- An elastic material
- A hard material

It is very hard to stretch string. But you can stretch a rubber band by pulling on it. Rubber bands are elastic

7. This is the British Museum in London. Many buildings are made of stone. Stone is cut from rock. Rock is a \_\_\_\_\_ material.



- Strong
- Weak
- Flexible
- Runny

Stone is cut from rock in quarries

9. Wood is a strong material. But it can be cut. What do we use to cut wood?



- A hammer
- A screwdriver
- A saw
- A pair of scissors

Be careful - saws are sharp. Saws can be very dangerous

6. Trains run on tracks. The tracks are made of steel. This is because steel is very \_\_\_\_\_.



- Long
- Strong
- Weak
- Elastic

Never go near railway lines

8. Holly goes to the playground. She climbs up onto the bars. The bars must be strong to hold Holly. The bars are made from \_\_\_\_\_.



- Plastic
- Steel
- Rubber
- Wax

Do you like swinging from the bars at the playground?

10. The lead in a pencil breaks quite easily. The lead in a pencil is weak. Some people try to break the pencil itself. But it is hard to break pencils. This shows that:



- Pencil lead is quite strong
- Pencil lead is very strong
- Wood is quite strong
- Wood is weak

Wood is surprisingly strong