

KS1 Science Quiz - Materials - Changing Things (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 materials and how they change, for example when cooking.

Materials don't always stay the same. If you stretch a rubber band, it will bounce back again. But if you chop up a carrot, you can't put the carrot back together again. When you are baking a cake, the ingredients all look different. But when you mix them together and cook them, they change and become a new material. The cooked cake doesn't look like any of the ingredients. Let's find out a bit more about how materials change.

1. Which one of these will go back to how it was?



- A broken egg
- A mashed potato
- A stretched rubber band
- A squashed banana

2. Karen is making a cup of tea. She pours milk into the tea and stirs it. The milky tea is a mixture. What is mixed together?



- Milk and coffee
- Tea and coffee
- Tea and milk
- Milk and sugar

3. Li cuts a piece of card in two. When she lets go of the two pieces of card, what happens?



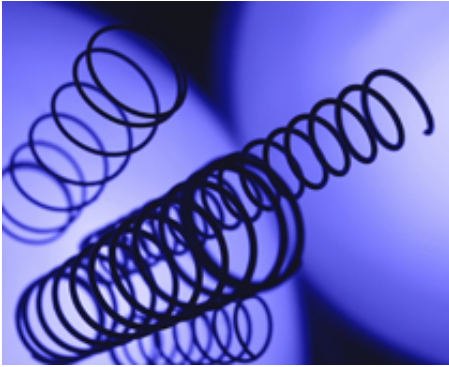
- The two pieces of card go back together again
- The two pieces of card stay separate
- The two pieces of card get much bigger
- The two pieces of card disappear

4. Joe is blowing up a red balloon. The balloon is getting very big. Joe does not tie the balloon. He lets go of the balloon. It shoots off and all the air comes out. What happens to the size of the balloon?



- The balloon goes back to its original size
- The balloon gets even bigger
- The balloon stays really big
- The balloon disappears

5. If you stretch a spring - not too much - the spring gets longer. If you then let go of the spring, what happens?



- The spring gets even longer
- The spring straightens out
- The spring gets shorter again
- The spring loses its shape

6. Danny and Alex are making a cake. The ingredients are flour, butter and eggs. What must they do with the ingredients?



- Put the flour in the oven and fry the eggs
- Mix the flour, butter and eggs together
- Only use the flour
- Only use the eggs

7. The candle is made of wax. The candle is:



- Freezing
- Boiling
- Burning
- Getting bigger

8. Carla is making ice cubes in the freezer. She pours water into the trays. She puts the trays into the freezer. The water freezes into ice.

Later, Carla takes the ice cubes out of the freezer. She leaves them in a warm room. What happens to the ice cubes?



- The ice cubes melt back to water
- The ice cubes stay frozen
- The ice cubes turn into snow
- The ice cubes get much bigger

9. Lucy and her dad are making a pizza. What must they do before the pizza is ready to eat?



- Put it in the freezer
- Put it in the dishwasher
- Bake it in the oven
- Bake it in the fridge

10. This candle has been burning for a long time. Some of the wax has melted and run down the sides of the candle. Then the wax has cooled and turned back into a _____.



- Solid
- Gas
- Liquid
- Fluid

KS1 Science Quiz - Materials - Changing Things (Answers)

1. Which one of these will go back to how it was?



- A broken egg
- A mashed potato
- A stretched rubber band
- A squashed banana

The rubber band can go back to how it was. The other changes are permanent

2. Karen is making a cup of tea. She pours milk into the tea and stirs it. The milky tea is a mixture. What is mixed together?



- Milk and coffee
- Tea and coffee
- Tea and milk
- Milk and sugar

Do you like drinking tea or coffee?

3. Li cuts a piece of card in two. When she lets go of the two pieces of card, what happens?



- The two pieces of card go back together again
- The two pieces of card stay separate
- The two pieces of card get much bigger
- The two pieces of card disappear

Li can stick the pieces back together, but they don't go back like a spring or a rubber band

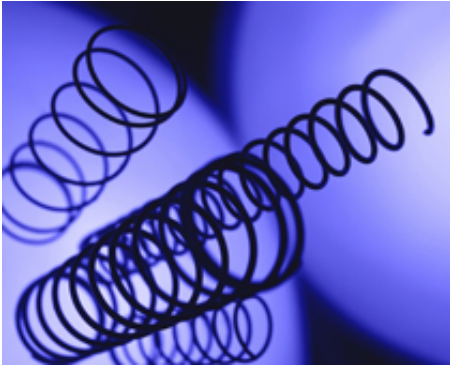
4. Joe is blowing up a red balloon. The balloon is getting very big. Joe does not tie the balloon. He lets go of the balloon. It shoots off and all the air comes out. What happens to the size of the balloon?



- The balloon goes back to its original size
- The balloon gets even bigger
- The balloon stays really big
- The balloon disappears

Balloons are like springs and rubber bands. They can go back to their original size

5. If you stretch a spring - not too much - the spring gets longer. If you then let go of the spring, what happens?



- The spring gets even longer
- The spring straightens out
- The spring gets shorter again
- The spring loses its shape

The spring can go back to its original shape and size

7. The candle is made of wax. The candle is:



- Freezing
- Boiling
- Burning
- Getting bigger

As the candle burns, there is less and less candle wax

6. Danny and Alex are making a cake. The ingredients are flour, butter and eggs. What must they do with the ingredients?



- Put the flour in the oven and fry the eggs
- Mix the flour, butter and eggs together
- Only use the flour
- Only use the eggs

Have you ever baked a cake?

8. Carla is making ice cubes in the freezer. She pours water into the trays. She puts the trays into the freezer. The water freezes into ice.

Later, Carla takes the ice cubes out of the freezer. She leaves them in a warm room. What happens to the ice cubes?



- The ice cubes melt back to water
- The ice cubes stay frozen
- The ice cubes turn into snow
- The ice cubes get much bigger

Water can freeze, and then it can melt again

9. Lucy and her dad are making a pizza. What must they do before the pizza is ready to eat?



- Put it in the freezer
- Put it in the dishwasher
- Bake it in the oven
- Bake it in the fridge

Do you like pizza? What is your favourite pizza topping?

10. This candle has been burning for a long time. Some of the wax has melted and run down the sides of the candle. Then the wax has cooled and turned back into a _____.



- Solid
- Gas
- Liquid
- Fluid

Do you have candles on your birthday cake?