

KS1 Science Quiz - Forces - Pushing And Pulling (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 pushing and pulling forces.

At school, you have learned about pushes and pulls. Pushes and pulls are forces. Forces make things happen. A push on a toy can make it move. Pulling back on a string can stop the toy moving. Some simple toys are clockwork. You turn the key on clockwork toys to make them go. Your hand turning the key is a force. How much do you know about forces?

1. These teeth are a clockwork toy. How do you make the teeth chatter and move?



- Wind up the toy
- Drop the toy on the floor
- Recharge the batteries
- Press a button

2. Luke is sat in the kart. Joe is stood behind the Kart. Joe gives the Kart a push. Which way does the kart move?



- Up in the air
- To the left
- Sideways
- To the right

3. What happens if you pull on a spring?



- The spring gets smaller
- The spring stretches
- The spring stays the same size
- The spring melts

4. Alex pulls on his sledge. What happens?



- The sledge stays in the same place
- The sledge goes backwards
- The sledge moves forwards
- The sledge gets smaller

5. Tom pushes the toy car. What happens?



- The toy car stays still
- The toy car does not move
- The toy car gets bigger
- The toy car moves

6. A player is kicking a football. The player:



- Pulls the ball with his foot
- Pushes the ball with his foot
- Winds up the ball with his foot
- Pushes the ball with his hand

7. The man is pushing against the rock. But the rock does not move. Why does the rock not move?



- The rock is too small
- The rock is too light
- The rock is too heavy
- The rock is too smooth

8. This is a very long freight train. The locomotives are pulling the train. What is the train doing?



- The train is going backwards
- The train is getting longer
- The train is getting shorter
- The train is going forwards

9. Simon's Grandad has a very old watch. To make it go, Simon's Grandad has to wind it up. The watch runs on _____.



- Batteries
- Electricity
- Water
- Clockwork

10. This mum is pushing her baby in a pram. She pushes the pram. What happens?



- The pram moves to the right
- The pram does not move
- The pram goes backwards
- The pram moves to the left

KS1 Science Quiz - Forces - Pushing And Pulling (Answers)

1. These teeth are a clockwork toy. How do you make the teeth chatter and move?



- Wind up the toy
- Drop the toy on the floor
- Recharge the batteries
- Press a button

Do you have any wind-up toys?

2. Luke is sat in the kart. Joe is stood behind the Kart. Joe gives the Kart a push. Which way does the kart move?



- Up in the air
- To the left
- Sideways
- To the right

What happens if Joe pushes harder? - The kart goes to the right faster!

3. What happens if you pull on a spring?



- The spring gets smaller
- The spring stretches
- The spring stays the same size
- The spring melts

Springs are stretchy. They are flexible

4. Alex pulls on his sledge. What happens?



- The sledge stays in the same place
- The sledge goes backwards
- The sledge moves forwards
- The sledge gets smaller

Do you like sledging in the snow?

5. Tom pushes the toy car. What happens?



- The toy car stays still
- The toy car does not move
- The toy car gets bigger
- The toy car moves

Does this toy car run on batteries? - No

6. A player is kicking a football. The player:



- Pulls the ball with his foot
- Pushes the ball with his foot
- Winds up the ball with his foot
- Pushes the ball with his hand

Who do you think is the best football player?

7. The man is pushing against the rock. But the rock does not move. Why does the rock not move?



- The rock is too small
- The rock is too light
- The rock is too heavy
- The rock is too smooth

Sometimes you can push and push, and still it won't move!

8. This is a very long freight train. The locomotives are pulling the train. What is the train doing?



- The train is going backwards
- The train is getting longer
- The train is getting shorter
- The train is going forwards

The train is very heavy, so the locomotives have to pull very hard

9. Simon's Grandad has a very old watch. To make it go, Simon's Grandad has to wind it up. The watch runs on _____.



- Batteries
- Electricity
- Water
- Clockwork

Do you know anyone who has a very old watch?

10. This mum is pushing her baby in a pram. She pushes the pram. What happens?



- The pram moves to the right
- The pram does not move
- The pram goes backwards
- The pram moves to the left

The baby is going backwards, but the pram moves to the left