

KS1 Science Quiz - Forces - Movement and Motion (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 forces of movement and motion.

When looking at forces in science at school you have found out about things moving or being in motion. Cars, people, bikes, planes, animals - they all move by using forces. What makes them go? How do they go? What keeps cars in motion? You can make things move. You can kick a ball, throw a ball or hit a ball with a bat. What do you know about how things move?

1. Sarah is going to reverse her car. Which way will it move?



- ☐ Backwards
- ☐ Forwards
- ☐ To the right
- ☐ Sideways

2. These children are stood in one place. But they are moving. How do you know they are moving?



- ☐ The hula-hoops are going round
- ☐ The children are in the gym
- ☐ The hula-hoops are on the ground
- ☐ The children are at school

3. Water in rivers and streams is moving. The water:



- ☐ Goes uphill
- ☐ Goes downhill
- ☐ Is not moving
- ☐ Is boiling

4. This game is called snooker. The player is going to hit the white ball with the wooden cue. What will happen to the white ball?



- ☐ It will not move
- ☐ It will move to the right
- ☐ It will move to the left
- ☐ It will burst

5. This plane is taking off. Which direction is it moving?



- ☐ Up and to the left
- ☐ Down and to the right
- ☐ Down and to the left
- ☐ Up and to the right

6. These children are playing football. They are:



- ☐ Standing still
- ☐ Moving about
- ☐ Running on the spot
- ☐ Running round in circles

7. These yachts are moving quickly through the water. What is pushing them along?



- ☐ An engine
- ☐ The wind
- ☐ A motor
- ☐ The rain

8. Not everything that moves has wheels. This is a bobsleigh. It goes down the track very fast. What helps the bobsleigh to go so fast?



- ☐ The colour of the bobsleigh
- ☐ The track is very smooth
- ☐ It is winter
- ☐ It is a sunny day

9. This family are having fun in the garden. Mum and the children are in the barrow. What helps the barrow to move?



- ☐ The air
- ☐ The trees
- ☐ The wheel
- ☐ The children

10. The picture shows a steam train. In which direction is the steam train moving?



- ☐ Up
- ☐ Down
- ☐ To the right
- ☐ To the left

KS1 Science Quiz - Forces - Movement and Motion (Answers)

1. Sarah is going to reverse her car. Which way will it move?



- ☒ Backwards
- ☐ Forwards
- ☐ To the right
- ☐ Sideways

Cars usually go forwards. But cars can be reversed. To reverse means to go backwards

2. These children are stood in one place. But they are moving. How do you know they are moving?



- ☒ The hula-hoops are going round
- ☐ The children are in the gym
- ☐ The hula-hoops are on the ground
- ☐ The children are at school

You can be moving but not going anywhere!

3. Water in rivers and streams is moving. The water:



- ☐ Goes uphill
- ☒ Goes downhill
- ☐ Is not moving
- ☐ Is boiling

Water in rivers starts in the hills and flows down to the sea

4. This game is called snooker. The player is going to hit the white ball with the wooden cue. What will happen to the white ball?



- ☐ It will not move
- ☐ It will move to the right
- ☒ It will move to the left
- ☐ It will burst

Snooker players are very skilful

5. This plane is taking off. Which direction is it moving?



- ☐ Up and to the left
- ☐ Down and to the right
- ☐ Down and to the left
- ☒ Up and to the right

The plane has to go very fast along the runway so it can take off

6. These children are playing football. They are:



- ☐ Standing still
- ☒ Moving about
- ☐ Running on the spot
- ☐ Running round in circles

None of the players stand still all the time

7. These yachts are moving quickly through the water. What is pushing them along?



- ☐ An engine
- ☒ The wind
- ☐ A motor
- ☐ The rain

Have you ever been on a sailing boat?

8. Not everything that moves has wheels. This is a bobsleigh. It goes down the track very fast. What helps the bobsleigh to go so fast?



- ☐ The colour of the bobsleigh
- ☒ The track is very smooth
- ☐ It is winter
- ☐ It is a sunny day

The bobsleigh has runners instead of wheels

9. This family are having fun in the garden. Mum and the children are in the barrow. What helps the barrow to move?



- ☐ The air
- ☐ The trees
- ☒ The wheel
- ☐ The children

Wheelbarrows make it easier to move heavy loads

10. The picture shows a steam train. In which direction is the steam train moving?



- ☐ Up
- ☐ Down
- ☐ To the right
- ☒ To the left

How many carriages has this train?