

KS1 Science Quiz - Forces - Movement and Speed (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 and how they affect movement and speed, for example walking or running.

Lots of things move about, on the spot or from place to place. We use force to move about, and animals move about too. Planes, trains, cars and ships move from place to place. They carry people and goods. How fast we are moving is called our speed. Scientists studying forces watch things moving and work out their speed. Can you answer all these questions about being on the move?

1. Adam is running in a race. He starts to accelerate. Adam is then going _____.



- ☐ Less quickly
- ☐ Backwards
- ☐ Slower
- ☐ Faster

2. Cars use petrol or diesel to make them go. The further they go, the more petrol or diesel they use. Petrol and diesel are called _____.



- ☐ Fuels
- ☐ Food
- ☐ Flavours
- ☐ Fruits

3. When you go faster than walking, you are _____.



- ☐ Hopping
- ☐ Dawdling
- ☐ Running
- ☐ Crawling

4. Mark's Mum works in a city. To get to work, she catches a ____.



- ☐ Cold
- ☐ Ball
- ☐ Bus
- ☐ Bicycle

5. Maria lives in Manchester. She goes to London. She takes the train. The train has wheels. It runs on _____.



- ☐ Roads
- ☐ Streets
- ☐ Runways
- ☐ Tracks

6. After crawling, a baby starts to _____.



- ☐ Walk
- ☐ Run
- ☐ Laugh
- ☐ Cry

7. The picture shows a speed limit sign near Adil's home. What is the speed limit near Adil's home?



- ☐ 70 miles per hour
- ☐ 40 miles per hour
- ☐ 30 miles per hour
- ☐ 3 miles per hour

8. These girls are running hard. Running takes a lot of energy. We get our energy from our _____.



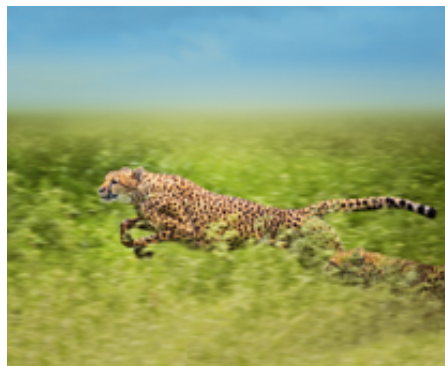
- ☐ Sleep
- ☐ Food
- ☐ Hair
- ☐ Hands

9. On our roads, we measure the speed of cars and lorries in:



- ☐ Metres per second
- ☐ Seconds
- ☐ Miles
- ☐ Miles per hour

10. How fast you are going is called your _____.



- ☐ Time
- ☐ Speed
- ☐ Energy
- ☐ Force

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

1. Adam is running in a race. He starts to accelerate. Adam is then going _____.



- ☐ Less quickly
- ☐ Backwards
- ☐ Slower
- ☒ Faster

When a car accelerates it starts to go faster

2. Cars use petrol or diesel to make them go. The further they go, the more petrol or diesel they use. Petrol and diesel are called _____.



- ☒ Fuels
- ☐ Food
- ☐ Flavours
- ☐ Fruits

Petrol and diesel are fuels. They give cars the energy to go

3. When you go faster than walking, you are _____.



- ☐ Hopping
- ☐ Dawdling
- ☒ Running
- ☐ Crawling

Who is the fastest runner in your class?

4. Mark's Mum works in a city. To get to work, she catches a ____.



- ☐ Cold
- ☐ Ball
- ☒ Bus
- ☐ Bicycle

Do you go on a bus? Where do you go?

5. Maria lives in Manchester. She goes to London. She takes the train. The train has wheels. It runs on _____.



- ☐ Roads
☐ Streets
☐ Runways
☒ Tracks

Have you ever been on a high-speed train? Where did you go?

7. The picture shows a speed limit sign near Adil's home. What is the speed limit near Adil's home?



- ☐ 70 miles per hour
☐ 40 miles per hour
☒ 30 miles per hour
☐ 3 miles per hour

What is the speed limit near your home?

6. After crawling, a baby starts to ____.



- ☒ Walk
☐ Run
☐ Laugh
☐ Cry

A baby that has just started to walk is called a toddler

8. These girls are running hard. Running takes a lot of energy. We get our energy from our ____.



- ☐ Sleep
☒ Food
☐ Hair
☐ Hands

Have you ever been told that you need to run off some energy? What do people mean when they say this?

9. On our roads, we measure the speed of cars and lorries in:



- ☐ Metres per second
- ☐ Seconds
- ☐ Miles
- ☒ Miles per hour

The police use speed cameras to spot cars that are going too fast

10. How fast you are going is called your ____.



- ☐ Time
- ☒ Speed
- ☐ Energy
- ☐ Force

The cheetah is the fastest land animal. It has a top speed of 75 miles per hour (120 kilometres per hour)