

## KS1 Science Quiz - Forces - Machines (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 that power machines.

In science you learn about how things work. You will have studied forces that make things move. Machines are things that do jobs for us - they work for us. But what forces make machines go? How are machines powered? Some have engines and some have motors. Some get their power from the wind or water. In this quiz you will look at machines of all sorts. Do they have engines? Do they have motors? How do they work?

1. Tom is riding his bike. The bike has not got an engine. The bike has not got an electric motor. What makes the bike go?



- Batteries
- Petrol
- Clockwork
- Tom pedalling

2. The bonnet is at the front of the car. What is under the bonnet?



- An engine
- A computer
- A cooker
- A rocket

3. This train does not use petrol or diesel. This train uses \_\_\_\_\_ to make it go.



- Electricity
- Water
- Wind
- Coal

4. Maria's Mum is putting clothes into the washing machine. She will then turn on the washing machine. What makes the washing machine work?



- Electricity
- Petrol
- Coal
- Diesel

5. Many older people find it hard to walk. They often have a mobility scooter. Here is a mobility scooter. What makes the mobility scooter go?



- Petrol
- Diesel
- Electric batteries
- Clockwork

6. This is a food-mixer. What makes the food-mixer go?



- Eggs
- Flour
- Food
- Electricity

7. What do most cars need to make them go?



- Wood
- Coal
- Petrol or diesel
- Grass

8. This is a lawnmower. It has an engine to make the blades of the lawnmower go round. What makes the engine work?



- Petrol
- Grass
- Food
- Sunshine

9. This motorbike has an engine. What makes this motorbike engine go?



- Batteries
- Petrol
- Plastic
- Metal

10. What makes the plane go?



- Cookers
- Engines
- Boilers
- Ovens

## KS1 Science Quiz - Forces - Machines (Answers)

1. Tom is riding his bike. The bike has not got an engine. The bike has not got an electric motor. What makes the bike go?



- Batteries
- Petrol
- Clockwork
- Tom pedalling

Not everything has engines and motors. Sometimes you have to do the hard work yourself!

3. This train does not use petrol or diesel. This train uses \_\_\_\_\_ to make it go.



- Electricity
- Water
- Wind
- Coal

The electricity comes from the wires above the train

2. The bonnet is at the front of the car. What is under the bonnet?



- An engine
- A computer
- A cooker
- A rocket

The engine makes the wheels go round

4. Maria's Mum is putting clothes into the washing machine. She will then turn on the washing machine. What makes the washing machine work?



- Electricity
- Petrol
- Coal
- Diesel

The washing machine is powered by an electric motor. That's what makes it go round

5. Many older people find it hard to walk. They often have a mobility scooter. Here is a mobility scooter. What makes the mobility scooter go?



- Petrol
- Diesel
- Electric batteries
- Clockwork

The electric batteries can be recharged

6. This is a food-mixer. What makes the food-mixer go?



- Eggs
- Flour
- Food
- Electricity

Like the washing machine, the food-mixer is powered by an electric motor

7. What do most cars need to make them go?



- Wood
- Coal
- Petrol or diesel
- Grass

A few cars run on electricity, but most cars run on petrol or diesel

8. This is a lawnmower. It has an engine to make the blades of the lawnmower go round. What makes the engine work?



- Petrol
- Grass
- Food
- Sunshine

Do you have a lawn? Who mows your lawn?

9. This motorbike has an engine. What makes this motorbike engine go?



- Batteries
- Petrol
- Plastic
- Metal

The engine is made of metal, but it needs petrol to make it work

10. What makes the plane go?



- Cookers
- Engines
- Boilers
- Ovens

This plane has how many engines?