

Max's Forces Adventure

Learning objective: To identify and describe forces, including friction and air resistance, acting on moving objects.

Max the monkey is investigating how things move. Read each question carefully. Use the word bank to help you complete the sentences.

Word bank: Friction · Air resistance · Push · Pull · Surface

1. Max pushes a toy car across the carpet. What force slows the car down when it rubs against the carpet? (2 marks)

2. If Max wants the car to move faster, should he use a smooth surface or a rough surface? Why? (2 marks)

3. Max throws a paper aeroplane. What force from the air pushes against the paper aeroplane to slow it down? (1 mark)

4. Max pulls a heavy box of bananas. Is a pull a type of force? Yes or no? (1 mark)

Draw: Draw a picture of Max the monkey pushing a toy car. Draw an arrow to show the direction of the push and another arrow to show the direction of friction.



Extension challenge: Think of one other object that uses a push or a pull to move. Write a sentence about it.