

# Nova's Guide to Forces

*Learning objective: To describe how forces work on different surfaces and identify what makes an object move or stop.*

Read the opening sentence. Use the questions below to help you write a report about how things move. Use the word bank to help you write your sentences.

Nova the owl observed that objects need a push or a pull to start moving.

*Word bank: push · pull · friction · surface · rough · smooth · force · because · also · then*

## 1. What is a force? Start your sentence with: A force is... (2 marks)

---

---

---

## 2. What happens when you push a toy car on a smooth floor? Start with: When I push the car on a smooth floor, it... (2 marks)

---

---

---

## 3. What is friction? Start with: Friction is a force that happens when... (2 marks)

---

---

---

## 4. Which surface is harder to move an object on, rough or smooth? Start with: It is harder to move an object on a rough surface because... (2 marks)

---

---

---

*Extension challenge: Can you think of one thing in your classroom that uses a push and one thing that uses a pull? Write them down.*