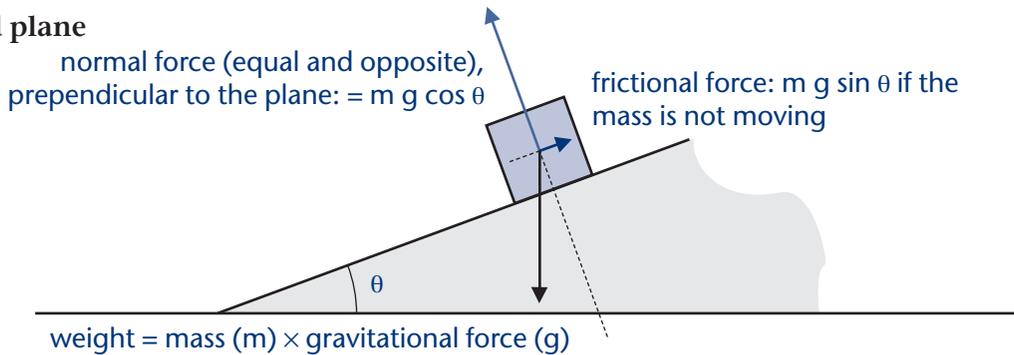


Physics Vocabulary

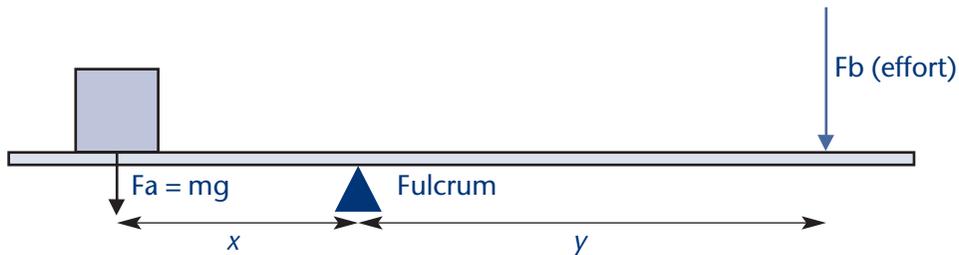
Units of measurement

length	metres	m
mass	kilograms	kg
time	seconds	s
temperature	degrees centigrade or kelvin	°C, K
quantity	moles	mol
electrical current	amps	A
force	newtons	N
energy	joules	J
pressure	pascals	Pa

Inclined plane



Lever



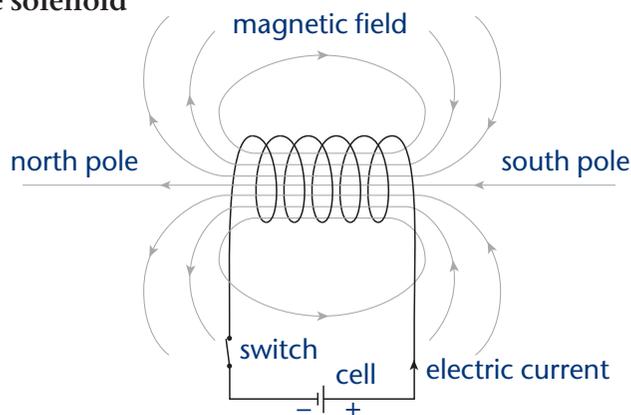
If there is no friction, the moments on either side of the fulcrum are equal:

$$F_a x = F_b y$$

The mechanical advantage is given by:

$$MA = \frac{F_a}{F_b} = \frac{y}{x}$$

Electromagnetism: The solenoid



Physics Vocabulary Exercises

1 Write the translation of the words.

- | | | | |
|---|------------------|---|-------|
| 1 | conduction | a | |
| 2 | equilibrium | b | |
| 3 | hypothesis | c | |
| 4 | potential energy | d | |
| 5 | pressure | e | |
| 6 | vector | f | |
| 7 | velocity | g | |

2 Match the words with their definitions.

- | | | | |
|---|--------------|---|---|
| 1 | energy | a | the absence of acceleration or deceleration unless a force is acting |
| 2 | gravity | b | the quantity of matter that something contains |
| 3 | acceleration | c | the force of attraction between two objects (eg a body and the Earth) |
| 4 | mass | d | the ability to do work |
| 5 | inertia | e | a field around some metals that attracts and repels other metals |
| 6 | magnetism | f | the rate at which the velocity increases |

3 Many words in physics are also used in everyday language. Complete these sentences with one of the words from exercise 2.

- Thanks to his personal *magnetism* he managed to persuade the boss to give him a rise.
- It's hard to fight against the of old institutions.
- There has been a rapid in the development of information technology.
- She had a of long blonde hair.
- It takes a lot of to look after four small children.
- I immediately realized the of the situation.

4 Complete the sentences with the correct word.

- Pressure* is the perpendicular *force* divided by the area on which it is applied.
- The is the point around which the moments of the forces in a machine operate.
- Heat can pass by (in solids), *convection* (in fluids) or *radiation* (in a vacuum).
- A solenoid creates a field.
- An electrical circuit can be turned on and off with a
- Force is measured in

Exercises

ANSWER KEY**Exercise 2**

2 c 3 f 4 b 5 a 6 e

Exercise 3

2 inertia 3 acceleration 4 mass 5 energy 6 gravity

Exercise 4

2 fulcrum 3 conduction 4 magnetic 5 switch 6 newtons