



### Forces Challenge Cards

Can you rearrange the letters in this anagram to make a word that describes a type of force?

caboyuny

What does it mean?

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### Forces Challenge Cards

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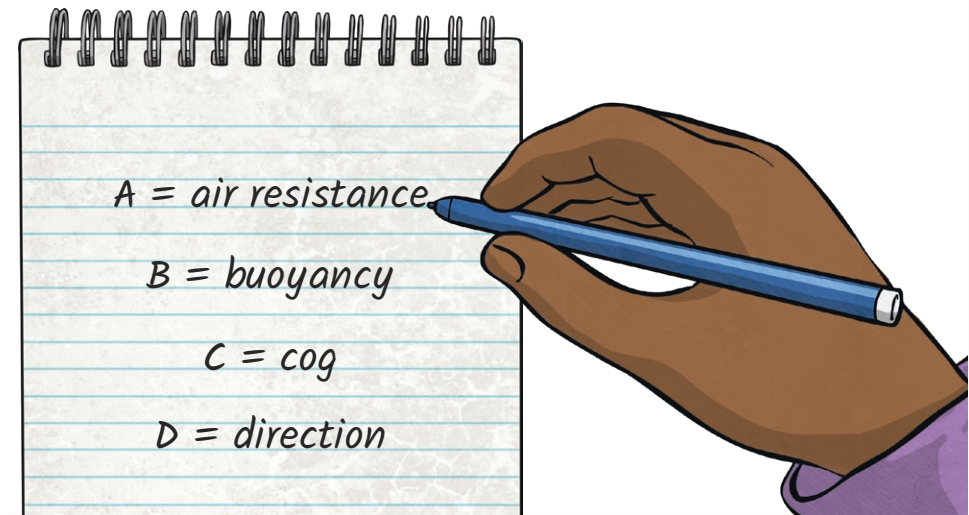
itocfnri

What does it mean?

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### Forces Challenge Cards

Can you create an A-Z of forces?



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### Forces Challenge Cards

Can you describe two features of streamlined shapes?



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### Forces Challenge Cards

Match these actions with the correct type of force:

Turning on a tap

Push

Walking with a pram

Pull

Rowing a boat

Push

Firing a bow and arrow

Pull

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### Forces Challenge Cards

Can you describe the different forces acting on each object?

- A bicycle cycling uphill
- A boat sailing on a lake
- A skier skiing downhill
- A skydiver parachuting from an aeroplane
- A swimmer swimming underwater



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### Forces Challenge Cards

Are these statements true or false?

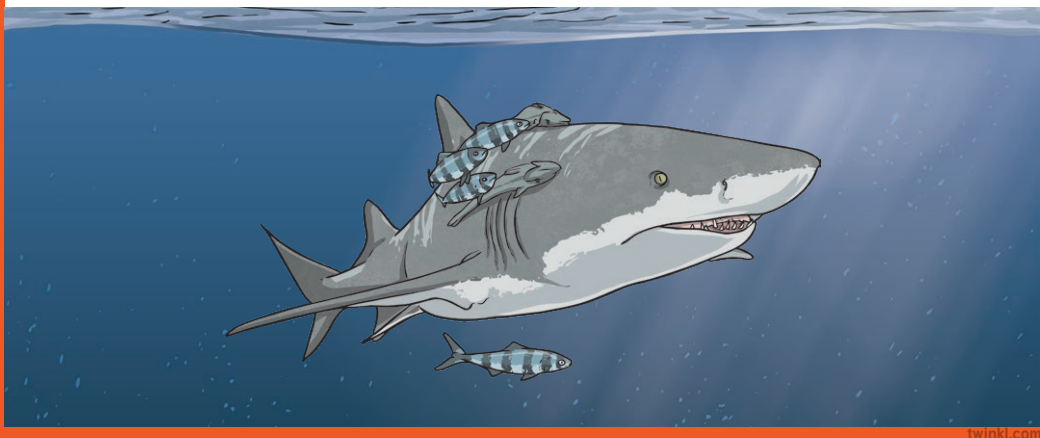
- Gravity pulls objects down towards the centre of the Earth.
- The measure of force is named after Galileo Galilei.
- Smooth surfaces create the most friction.
- Air resistance is a form of friction.
- Levers make it easier to lift heavy objects.



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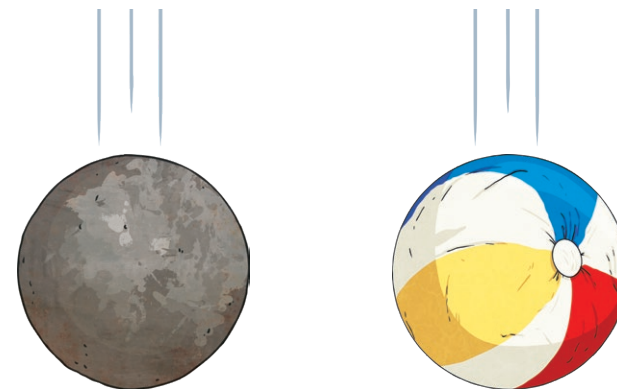
### Forces Challenge Cards

Draw some annotated pictures of forces in nature, e.g. you might draw animals who experience air or water resistance.



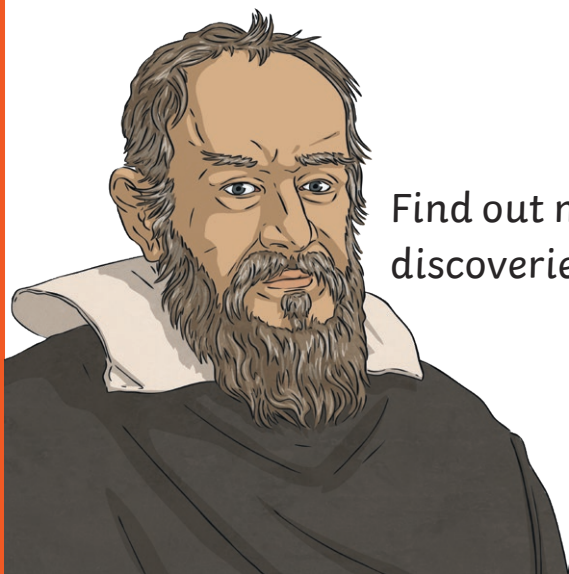
### Forces Challenge Cards

Plan an experiment to show that objects of a similar shape and size (but with a different mass) will land from a height at the same time.



### Forces Challenge Cards

Find out more about the life and discoveries of Galileo Galilei.



### Forces Challenge Cards

Write a short story, mentioning the different types of forces you have learnt about in this unit.

