Year 3 Forces and Magnets

Name the piece of equipment that tells you where 'north' is.	Circle the object in red if it's magnetic and in blue if it's non-magnetic.		
Fill in the missing words.	Tick the possible effects that forces can have.	List two surfaces a car may struggle to	
Like poles	Forces can make things:	move on due to not having enough friction.	
Opposite poles	🗌 evaporate 🔄 slow down	•	
	🗌 start to move 🔄 change colour		
	🗌 grow 🗌 change smell		
	🗌 speed up 🔄 stop		





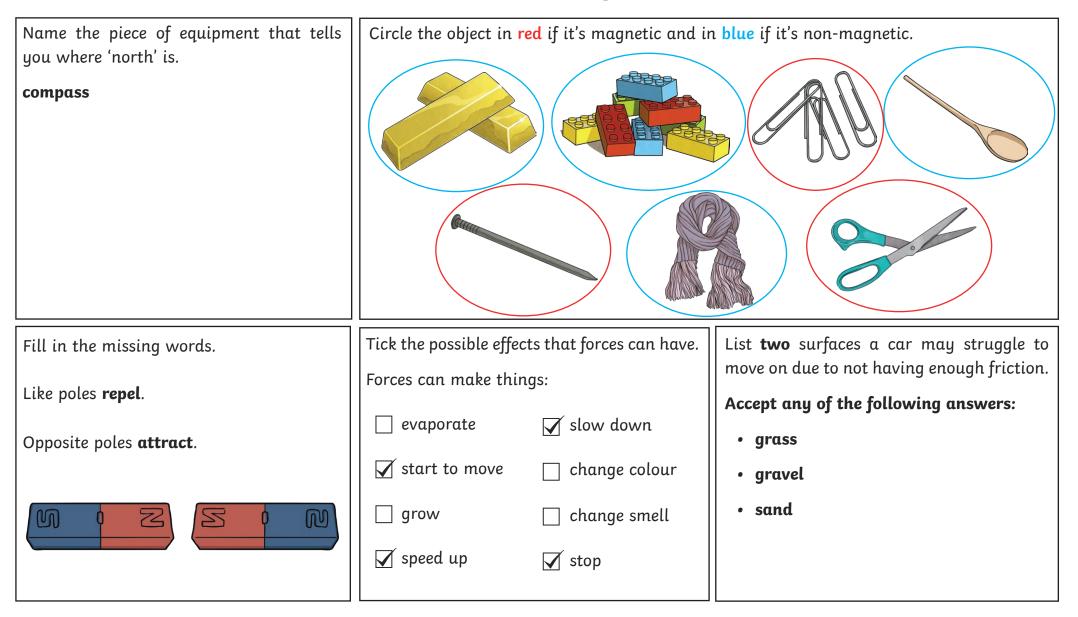
Year 3 Forces and Magnets

Fill in the missing words with words Circle the force in **red** if it's a push and in **blue** if it is a pull. from the box: Friction is a force that acts between two surfaces or objects that are moving, or trying to move, across each other. Different _____ create different amounts of _____. This depends on the ______ of the surface, the object and the _____ between them. force friction roughness surfaces Write **true** or **false** after each of these statements. In which of the options below do gold iron steel both objects have a north and a a) Repulsion is a force that pushes objects together. south pole? Tick the right answer. cobalt nickel silver b) When a north pole is placed near the south pole of another a) magnets and batteries Choose **two** metals from the box magnet, the two poles repel. that are magnetic. b) magnets and the Earth c) When a north pole is placed near the north pole of another magnet, the two poles repel. _____ c) batteries and the Earth d) A magnetic field is invisible.





Year 3 Forces and Magnets - Answers





Year 3 Forces and Magnets - Answers

Fill in the missing words with from the box:	words Circle the force in red if it's a push and in blue	if it is a pull.
Friction is a force that acts betwee surfaces or objects that are move trying to move, across each other.		
Different surfaces create different a of friction . This depends on the rou		
of the surface, the object and the between them. force friction roughness surfaces		
In which of the options below do both objects have a north and a south pole? Tick the right answer.	Write true or false after each of these statements. a) Repulsion is a force that pushes objects together. fa b) When a north pole is placed near the south pole of anot	cobalt nickel silver
a) magnets and batteries	magnet, the two poles repel. false	Choose two metals from the box
b) magnets and the Earth 🗸	c) When a north pole is placed near the north pole of anot magnet, the two poles repel. true	her that are magnetic. Accept any two from:
c) batteries and the Earth	d) A magnetic field is invisible. true	• iron • cobalt • steel • nickel

