

Name:

Date:

KS2 Quiz

Unit title: Forces and magnets

1 Which type of force acts at a distance?

- A A contact force.
- B Friction.
- C A non-contact force.
- D Air resistance.

2 Which is an example of friction being unhelpful?

- A Lighting a match.
- B Brushing your teeth.
- C Using the brakes on a car.
- D Wearing down bicycle tyres.

3 Which is an example of friction being helpful?

- A Opening a jar.
- B Causing an engine to overheat.
- C Wearing down car tyres.
- D Slowing down a racing car.

4 Which surface will cause the most friction?

- A Ice.
- B Tin foil.
- C Towel.
- D Sugar paper.

5 Which statement is true?

- A The rougher the surfaces, the less friction.
- B The rougher the surfaces, the more friction.
- C The smoother the surfaces, the more friction.
- D The roughness of the surface does not affect friction.

6 Which force comes from a magnet?

- A Gravity.
- B Magnetic field.
- C Friction.
- D Magnetism.

7 Which of these is a magnetic material?

- A Iron.
- B Wood.
- C Plastic.
- D Copper.

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8 Which of these pairs of magnets will be attracted to one another?

A

B

C

D

9 Which of the following uses an electromagnet?

A Fridge magnet.

B Speakers.

C Jewellery clasp.

D Compass.

10 How could you find out which side is the north pole of the magnet? (You may use a diagram to help explain your answer.)