

MAGNETISM

1 Choose the correct word:

Magnetism is _____.

It's a _____ force.

Magnets attract _____. Magnets have
_____ poles. Opposite poles _____
and _____ together. The same poles
_____ and _____ apart.

2 Choose the type of force for each situation:

- a) pressing a coin hard between your fingers _____
- b) the swing speeds up when pushed _____
- c) pins move towards a magnet when close _____
- d) opening a door _____
- e) crushing a can in your hands _____
- f) two forces are opposite and equal _____
- g) squeezing a brick _____
- h) a window closes suddenly _____
- i) a boy kicks a soccer ball _____
- j) squeezing a sponge _____
- k) two teams tie in a tug of war competition _____
- l) boy tugs on his dog's lead _____

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3 Tick the correct option:

- a) A boy kicks the ball with his foot.
A – Contact force B – Non-contact force
- b) An apple falls from a tree.
A – Contact force B – Non-contact force
- c) A girl slows the dog down by holding to the rope.
A – Balanced force B – Unbalanced force
- d) Two equally strong boys tie in an arm wrestle.
A – Balanced force B – Unbalanced force
- e) A woman uses a shopping cart in the supermarket.
A – Push B – Pull
- f) A man uses a lawnmower to cut the grass.
A – Push B – Pull

4 Match the sentences by choosing the number:

- a) Unbalanced forces can make an object ...
- b) Forces make things move or ...
- c) A force applied to an object can also ...
- d) Contact force is when one object or person ...
- e) Non-contact forces move ...
 - 1. moves another by touching it.
 - 2. objects without touching them.
 - 3. start moving, speed up, slow down, change direction or stop.
 - 4. change its shape or even break it.
 - 5. stay still by pushing or pulling.