Tuesday, 26th of May

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.