

Forces

WORKSHEET 5.1

Name _____ Date _____

Unit _____ Lesson _____

1. Read the following sentences referring to forces and write the correct letters in the chart.

contact	non-contact	balanced	unbalanced	changes shape	doesn't change shape

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

2. Choose A or B for each.

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

3. Match the sentence halves.

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

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WORKSHEET 5.1 Answer key

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d	h	k	b	e	a
l	c	f	i	j	g

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b) the swing speeds up when pushed
c) pins move towards a magnet when close
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