

# What is a Force?

Use the words below to complete the passage about forces.

striking	gravity	touching	pull	interact	non-contact
contact	push	football	field	shape	magnetism

A force is a push or a pull on an object. When the direction of the force is towards the object applying the force, it is a \_\_\_\_\_ force. When the direction of force is away from the object applying the force, it is a \_\_\_\_\_ force.

Forces occur when two objects \_\_\_\_\_. For example, when you fly a kite, the wind and the kite interact. The wind pushes the kite. When the wind stops blowing, \_\_\_\_\_ pulls the kite down towards the ground. Gravity is a result of the Earth interacting with the kite.

There are two types of forces: contact forces and non-contact forces. A \_\_\_\_\_ force is a force that occurs when the interacting objects touch one another. For example, kicking a football. We make the \_\_\_\_\_ move by \_\_\_\_\_ it with our foot. If our foot doesn't touch the ball, we don't move the ball.

A \_\_\_\_\_ force is when there is no contact between the interacting objects. An example of a non-contact force is gravity. In the earlier example, gravity pulled the kite to the ground without touching it. \_\_\_\_\_ is another non-contact force. A magnet can attract magnetic objects within its magnetic \_\_\_\_\_ without \_\_\_\_\_ them.

Forces can make an object begin to move, change an object's movement, or change an object's \_\_\_\_\_.

A	T	Z	P	D	L	W	S	G	Y	Y	X
N	P	C	Z	F	C	F	E	D	X	T	T
L	A	U	A	J	K	Z	U	A	E	I	Z
W	T	Y	S	T	J	C	Y	C	M	V	P
D	C	C	C	H	N	C	R	S	G	A	U
Q	W	T	A	V	O	O	I	U	U	R	L
I	Q	E	C	R	F	T	C	E	B	G	L
B	S	L	A	A	E	F	E	N	T	F	B
R	C	A	I	N	T	T	T	N	O	F	B
G	X	B	G	E	B	N	N	T	E	N	C
Y	J	A	S	I	I	H	O	I	M	J	S
Q	M	F	V	Y	L	Q	D	C	J	F	M

contact	non-contact	pull	push
interact	magnetism	gravity	force

# What is a Force? **Answers**

Use the words below to complete the passage about forces.

striking	gravity	touching	pull	interact	non-contact
contact	push	football	field	shape	magnetism

A force is a push or a pull on an object. When the direction of the force is towards the object applying the force, it is a **pull** force. When the direction of force is away from the object applying the force, it is a **push** force.

Forces occur when two objects **interact**. For example, when you fly a kite, the wind and the kite interact. The wind pushes the kite. When the wind stops blowing, **gravity** pulls the kite down towards the ground. Gravity is a result of the Earth interacting with the kite.

There are two types of forces: contact forces and non-contact forces. A **contact** force is a force that occurs when the interacting objects touch one another. For example, kicking a football. We make the **football** move by **pull** striking it with our foot. If our foot doesn't touch the ball, we don't move the ball.

A **non-contact** force is when there is no contact between the interacting objects. An example of a non-contact force is gravity. In the earlier example, gravity pulled the kite to the ground

without touching it. **Magnetism** is another non-contact force. A magnet can attract magnetic objects within its magnetic **field** without **touching** them.

Forces can make an object begin to move, change an object's movement, or change an object's **shape**.

A	T	Z	P	D	L	W	S	G	Y	Y	X
N	P	C	Z	F	C	F	E	D	X	T	T
L	A	U	A	J	K	Z	U	A	E	I	Z
W	T	Y	S	T	J	C	Y	C	M	V	P
D	C	C	C	H	N	C	R	S	G	A	U
Q	W	T	A	V	O	O	I	U	U	R	L
I	Q	E	C	R	F	T	C	E	B	G	L
B	S	L	A	A	E	F	E	N	T	F	B
R	C	A	I	N	T	T	T	N	O	F	B
G	X	B	G	E	B	N	N	T	E	N	C
Y	J	A	S	I	I	H	O	I	M	J	S
Q	M	F	V	Y	L	Q	D	C	J	F	M

contact	non-contact	pull	push
interact	magnetism	gravity	force