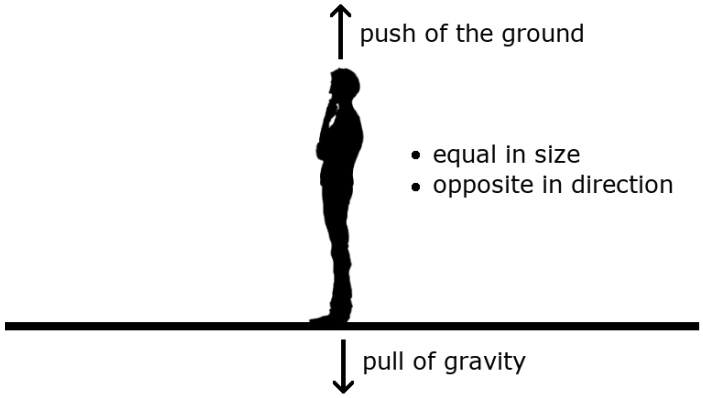
Balanced Forces

Use the words below to complete the passage about balanced forces.

directions	gravity	move	force
happen	balanced	strength	equal

Two forces of the same _____ but acting in opposite _____ are called _____ forces. Take this diagram as an example:



_____ is pulling down on the person, causing the person's feet to push down. The ground is pushing up against the person's feet. The force of the gravity is _____ in strength and opposite in direction to the force of the ground. The result is that the person is still.

Any time there is a balanced force, the object does not _____.

Imagine if the _____ of gravity was stronger than the force of the ground. The person would be pulled into the ground by the stronger force of gravity.

What about if the force of the ground was stronger than gravity? What do you think would _____?

Find the Words!

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

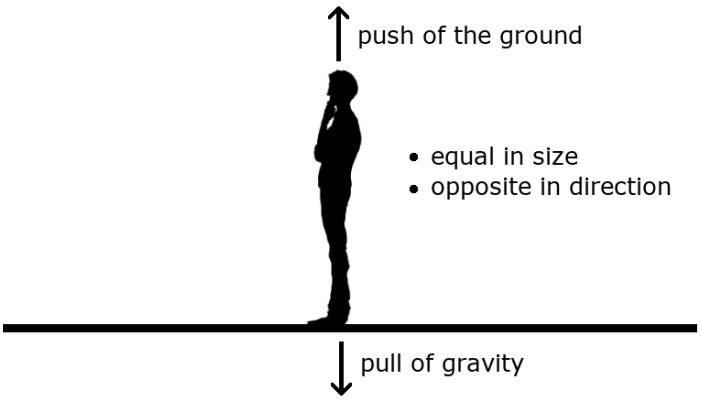
balanced force pull push
gravity opposites magnets friction

Balanced Forces Answers

Use the words below to complete the passage about balanced forces.

directions	gravity	move	force
happen	balanced	strength	equal

Two forces of the same strength but acting in opposite directions are called balanced forces. Take this diagram as an example:



Gravity is pulling down on the person, causing the person's feet to push down. The ground is pushing up against the person's feet. The force of the gravity is equal in strength and opposite in direction to the force of the ground. The result is that the person is still.

Any time there is a balanced force, the object does not move.

Imagine if the force of gravity was stronger than the force of the ground. The person would be pulled into the ground by the stronger force of gravity.

What about if the force of the ground was stronger than gravity? What do you think would happen?

Find the Words!

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

balanced force pull push
gravity opposites magnets friction