

How do forces act?

Fill in the following table.

Forces acting	Balanced or unbalanced?	What happen to the box?
		
		
		
		
		

Fill in the blanks with the correct words.

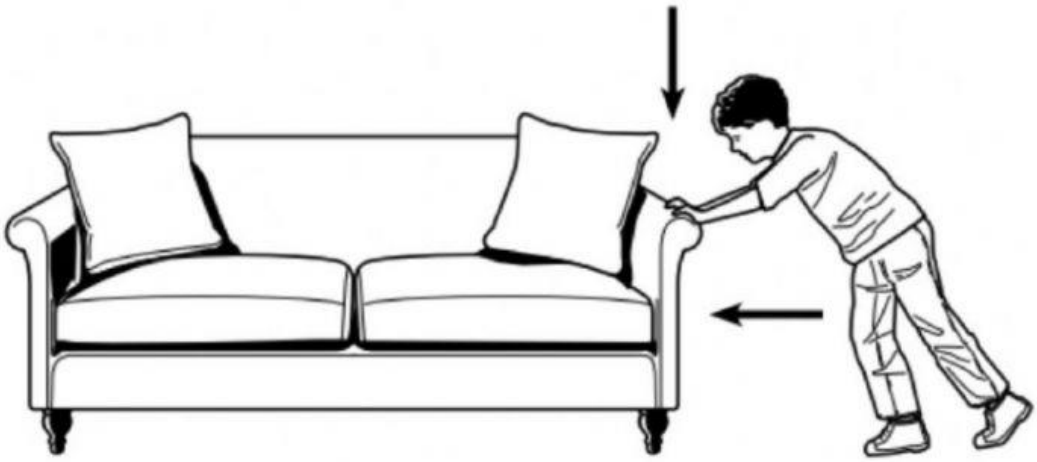
1. The _____ of each force is shown by the arrowhead, the _____ of each force is shown by the length of the arrow.
2. Forces are acting in _____ directions.
3. When two forces are _____, object does not move.
4. A _____ shows the different forces acting on an object.
5. When two forces are _____, object at rest will start moving.
6. If an object is moving, _____ forces will change the object's speed or direction.
7. When we apply a force to make an object move, we _____ energy from our body to the object.

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8. _____ is the amount of energy we transfer to the object and make it move.
9. _____ work is done when a larger force is applied, and when the force moves the object by a _____ distance.
10. When no force applies, _____ work is done.

unbalanced	work done	direction	greater
force diagram	transfer	no	size
more	opposing	balanced	unbalanced

Choose the correct words to complete the sentences.



1. The couch is moving because unequal _____ are acting on it.
2. _____ pulls the boy and the couch downward.
3. The couch is _____ because the boy is pushing it.

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