

Name:			Date:						
<u>Force</u>	e and	<u>Pressure</u>							
Q1.	releas inforn terms (a) To	ses the arrow, which begination fill up the gaps in a muscular, contact, nonstretch the bow, the arche force applied by the	stretches her bow while taking aim at the target. She there arrow, which begins to move towards the target. Based on this fill up the gaps in the following statements using the following scular, contact, non-contact, gravity, friction, shape, attraction sch the bow, the archer applies a force that causes a change in its an example of the country of the bow is an example of the country of the stretch.						
	arrow (d) W	force.  ne type of force responsily is an example of a  while the arrow moves tow and that due to	force vards its target	t, the forces					
Q2.	In the following situations identify the agent exerting the force and the object on which it acts. State the effect of the force in each case.  (a) Squeezing a piece of lemon between the fingers to extract its juice.  (b) Taking out paste from a toothpaste tube.  (c) A load suspended from a spring while its other end is on a hook fixed to a wall.  (d) An athlete making a high jump to clear the bar at a certain height.								
Ans.		Situation	Agent exerting the force	Object on	Effect of force				
	a.	Squeezing a piece of lemon between the fingers to extract its juice							
X	b.	Taking out paste from a toothpaste tube.							
	C.	A load suspended from a spring while its other end is on a hook fixed to a wall.							
	d.	An athlete making a high jump to clear the bar at a certain height.							



## Force and Pressure

- Q1. An archer stretches her bow while taking aim at the target. She then releases the arrow, which begins to move towards the target. Based on this information fill up the gaps in the following statements using the following terms: muscular, contact, non-contact, gravity, friction, shape, attraction
  - (a) To stretch the bow, the archer applies a force that causes a change in its <a href="mailto:shape">shape</a>.
  - (b) The force applied by the archer to stretch the bow is an example of muscular force.
  - (c) The type of force responsible for a change in the state of motion of the arrow is an example of a contact force.
  - (d) While the arrow moves towards its target, the forces acting on it are due to gravity and that due to friction of air.
- Q2. In the following situations identify the agent exerting the force and the object on which it acts. State the effect of the force in each case.
  - (a) Squeezing a piece of lemon between the fingers to extract its juice.
  - (b) Taking out paste from a toothpaste tube.
  - (c) A load suspended from a spring while its other end is on a hook fixed to a wall.
  - (d) An athlete making a high jump to clear the bar at a certain height.

Ans.

	Situation	Agent	Object on	Effect of force
	6'0	exerting the	which	
		force	force acts	
a.	Squeezing a piece of lemon between the fingers to extract its juice	Fingers (muscular force)	Lemon	Change in shape of lemon
p.	Taking out paste from a toothpaste tube.	Fingers (muscular force)	toothpaste tube	Change in shape of toothpaste tube
c.	A load suspended from a spring while its other end is on a hook fixed to a wall.	Load	Spring	Change in shape of spring
d.	An athlete making a high jump to clear the bar at a certain height.	Muscles of Athlete	Athlete	Change of state of motion of athlete