

ALAGU JOTHI ACADEMY

(An International Standard CBSE Sr. Sec. School) PRACTICE WORKSHEET – 2017-2018

THE THE POR BUTCHER POR	8	
YEAR OF	Science	<u> </u>
Name		Class
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Date		Section
	FORCE AND PRESS	SURE
I. Very Short Answer type Ques		
1: Push or pull on an object is known		
2: Force has both magnitude and		
3: The strength of force is usually	= -	·
4: What can bring change in state	of motion of an object?	
5: Define pressure.6: What are contact forces?		
7: What are non-contact forces?		
8: What happens when the forces	ara annliad on an abject	in the same direction?
9: Force can bring change in		
10: Give an example of contact for		or an object.
11: Give two examples of non-contact forces.		
12: A batsman hits a cricket ball which then rolls on the level ground. After covering a short distance		
the ball comes to rest. The ball stops due to		
13: When two forces, applied on an object, are equal and opposite, then these forces		
May move the object.	in object, are equal and o	opposite, then these forces
May stop a moving object.		
May move the object and also cause a change in its shape.		
Do not move the object but may cause a change in its shape.		
14: Which of the following is an example of contact force?		
a. Magnetic force b. Muscular force		
c. Electric force d. Gravitational force		
15: A fruit falling from tree is an	example of which type of	f force?
16: What is the unit of pressure?	1 71	
17: Which force act from distance	e and pull iron objects?	
18: What is SI unit of Force?		
19: What is muscular force?		
20: What is the relation between direction of force of friction and direction of motion?		
21: Define electrostatic force.		
22: Electrostatic force is an example of		
23: Water begins to flow towards the ground as soon as we open a tap. This happens due to which		
force?		
24: Southpole of a magnet repels south pole of another magnet. True /false.		
25: Define friction.		
26: Why the cutting edge of a kni	fe should be as sharp as p	possible?
27: Cars and buses are able to run on roads. Which force is responsible for it?		

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28: If the area over which the force acts decreases, the pressure _

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- 29: Which force is used to separate solid pollutant particles from smoke given out from factories?
- 30: What is the force exerted by the Earth on all the bodies on its surface known as?
- 31: Name the instrument which is used to measure liquid pressure.
- 32: A liquid exerts pressure in direction. (upward/downward/sideways/all)
- 33: Which type of force a person applies while pulling an object?
- 34: Why muscular force is a type of contact force?
- 35: If the area over which the force acts decreases, the pressure increases. (true/false)

Short Question & Answer:

- 1: What is force? What is its unit?
- 2: What is change in state of motion? What brings change in state of motion?
- 3: What is the difference between contact forces and non-contact forces?
- 4: Give two example each of the situation in which you apply force to change state of motion of an object and to change shape of an object?
- 5: Why is it difficult to hold a school bag having a strap made of a thin and strong string?
- 6: Why Porters wear turbans when they have to carry heavy loads on their heads?
- 7: Force applied on an object may change its speed. How?
- 8: Why Lorries and trucks carrying heavy loads have 8 tyres instead of four?
- 9: Why the sucker sticks to the surface over which it is pressed?
- 10: What is pressure? How is pressure related to the surface area on which it acts?
- 11: When we stop pedalling the bicycle, it slows down and gradually stops . Why?
- 12: What is frictional force? How it arises?
- 13: What is magnetic force? What happens when we bring like poles of two magnets closer?
- 14: What is gravitational force? Is gravity the property of earth alone?
- 15: A rocket has been fired upwards to launch a satellite in its orbit. Name the two forces acting on the rocket just after leaving of the launching pad
- 16: What will be the effect of force while squeezing a piece of lemon between the fingers?
- 17: What will be the effect of force while taking out toothpaste from toothpaste tube?
- 18: A blacksmith is hammering a hot piece of copper for making a tool, how does the force due to affect the piece of copper?
- 19: What are the effects of the force while making high jump by an athlete?
- 20: Differentiate between atmosphere and atmospheric pressure.
- 21: Differentiate between friction and contact force.

Long Question & Answer:

- 1: Explain contact and non-contact forces. Give two examples for each.
- 2: a. How can friction be reduced
 - b. How can it be increased? Give examples.
- 3: Do liquid and gases exert pressure on the walls of container in all direction? Give example to justify your statement.
- 4: Why is it easy to push a nail into a wooden plank by the pointed end?