

Short Q&A:

Q1: What is force? What is its unit?

Q2: What is change in state of motion? What brings change in state of motion?

Q3: What is the difference between contact forces and non-contact forces?

Q4: 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?

Q5: Why is it difficult to hold a school bag having a strap made of a thin and strong string?

Q6: Why Porters wear turbans when they have to carry heavy loads on their heads?

Q7: Force applied on an object may change its speed. How?

Q8: Why Lorries and trucks carrying heavy loads have 8 tyres instead of four?

Q9: Why the sucker sticks to the surface over which it is pressed?

Q10: What is pressure? How is pressure related to the surface area on which it acts?

Q11: When we stop pedalling the bicycle, it slows down and gradually stops .Why?

Q12: What is frictional force? How it arises?

Q13: What is magnetic force? What happens when we bring like poles of two magnets closer?

Q14: What is gravitational force? Is gravity the property of earth alone?

Q15: 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

Q16: What will be the effect of force while squeezing a piece of lemon between the fingers?

Q17: What will be the effect of force while taking out toothpaste from toothpaste tube?

Q18: A blacksmith is hammering a hot piece of copper for making a tool, how does the force due to affect the piece of copper?

Q19: What are the effects of the force while making high jump by an athlete

Q20: Differentiate between atmosphere and atmospheric pressure.

Q21: Differentiate between friction and contact force.