Forces & Simple Machines Revision Worksheet

Make sure you use your notes & access the PPT in resources if you need! Good Luck!

friction	force meter	newtons	one
two	push, pull or twist	force	meters

Q1. A force is an interaction between _____ objects. It can be defined as a _____. We measure force using a _____ in the units of _____.

Q2. The effect of a force can change an objects _____, _____ & _____.

Q3. A force diagrams shows all the _____ acting upon the objects and uses _____ to show the amount of force.

Q4. The two types of Forces are _____ and _____.

Q5. What is the force that balances gravity?

Air resistance Applied Force Air Force Normal Force

Q6. Which of these is a contact force:

Gravity Magnetism Friction Normal Force

Q7. Which of these is a non-contact force:

Buoyancy Applied Force Tension Gravity

LIVEWORKSHEETS

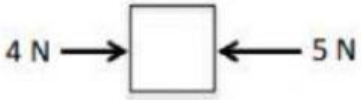
Q8.

a) **Calculate the Net Force of this object:**



b) **Is this force Balanced or Unbalanced?**

c) **Calculate the Net Force of this object:**

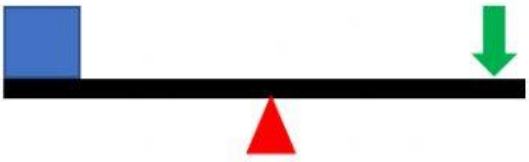


d) **Is this force Balanced or Unbalanced?**

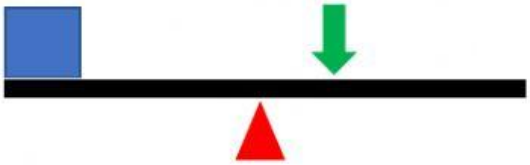
Q9. **What do Simple Machines do?**

Q10. **In a first-class lever, the _____ is in the middle.**

Q12. **Which picture shows the best possible use of a 1st lever to lift a load.**



A)



B)

Q13. **Pick one disadvantage of using an inclined plane to lift a heavy load/object.**

a) The object must be moved a greater distance

b) It takes less effort to move the object

c) Many objects are difficult to lift straight up

d) Heavy objects usually take up more space.

LIVEWORKSHEETS