

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
----------	---------------	---------	---------

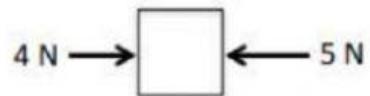
Q8.

a) Calculate the Net Force of this object:



b) Is this force Balanced or Unbalanced?

c) Calculate the Net Force of this object:

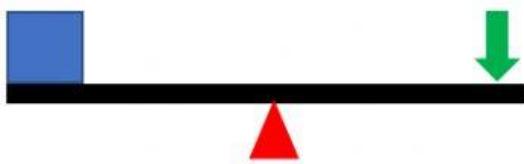


d) Is this force Balanced or Unbalanced?

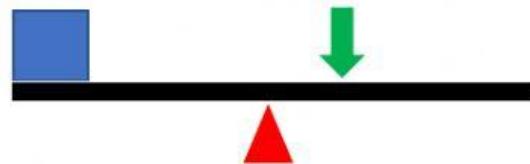
Q9. What do Simple Machines do?

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.