

Welcome!

1 Academy



Summary Test on FORCES

Name: _____

Date: _____

School: _____

Class: _____

1. A force is a _____ or _____.
2. A force cannot be seen but its _____ can be felt.
3. The six effects of forces are:
 - (a) Forces can cause a stationary object to _____.
 - (b) Forces can cause a moving object to _____.
 - (c) Forces can change the _____ of a moving object.
 - (d) Forces can change the _____ of a moving object.
 - (e) Forces can change the prevent an object from _____.
 - (f) Forces can change the _____ of an object.
4. State the difference between the **weight** and **mass** of an object. (Hint: gravitational force)
5. There are four types of forces, classify them into contact and non-contact forces.

Contact forces	Non-contact forces

6. State one **advantage** and one **disadvantage** of frictional force.

7. Draw a simple diagram to show the forces acting on:

(a) A parachute falling down

(b) A bicycle with a cyclist cycling on it **moving forward**

8. Translate these data to a force / extension graph:

Weight (g)	Extension (cm)
0	0
20	2
40	4
60	6
80	8
120	(Predict its length =)