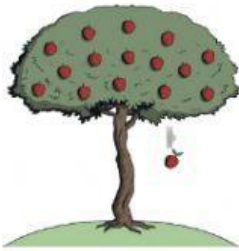


Forces and Motion

Name: _____

1. Answer the questions about each scenario shown below.



a) Name the force that causes the apple to fall to the ground.



b) Name the force that slows down the parachutist when he opens the parachute.



c) Name the force that stops the penguin slipping on the ice.

2. Tick **one** box in each row of the table to show if the forces in each scenario are balanced or unbalanced.

Scenario	Balanced	Unbalanced
A train travelling at a steady speed.		
A ball bouncing off a wall.		
A stationary football on the grass.		
A horse jumping over a hedge.		
A submarine descending at a steady speed.		

3. Circle **one** word in each box to complete the sentences below.

A stationary object will remain at rest if the forces acting on it are

balanced.
unbalanced.

An object will continue to move at a constant speed if the forces on it are An

balanced.
unbalanced.

object will change speed, direction or shape if the forces are

balanced.
unbalanced.

Look at the force arrows on the picture below.



4. Tick **one** box in each row of the table to describe the motion of each vehicle.

Vehicle	Stationary	Constant Speed	Accelerating	Decelerating
car				
van				
bike				

5. Name **two** forces represented by the force arrows in the picture above.

1. _____
2. _____