PHYSICS DEFINITIONS GRADE 11 - FILL IN THE MISSING TERM

VECTORS AND NETWON

VECTORS:

Resultant – the of two or more

NEWTON:

Normal force – the force or component of a force which a exerts on an object with which it is in contact, and which is to the surface

Frictional force – the force that the motion of an object and which acts to the surface

Static frictional force – the force that the motion of a object relative to a

Kinetic frictional force – the force that the motion of a object relative to a

Newtons first law of motion – a body will remain in its state of or at unless a /net force acts on it

Inertia – the of an object to any change in its state of motion

Newtons second law of motion – when a /net force acts on an object, the object will in the direction of the force at an proportional to the force and proportional to the of the object

Newtons third law of motion – when object A exerts a on object B, object B exerts an directed force of magnitude on object A

Newtons law of universal gravitation – in the universe attracts every other with a force that is proportional to the product of their and proportional to the of the between their centres

Weight – the force exerted by the on an object

Mass – the of in a body

LIVEWORKSHEETS

Weightlessness – the sensation experienced when all forces are removed

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