

Force and Motion

Science

Grade: MS/Junior HS

I have...
acceleration.

I have...
energy.

I have...
force.

Who has...
what the ability to do work is called?

Who has...
a push or pull exerted on an object?

Who has...
a place or object that can be used to determine if an object is in motion?

I have...
reference point.

I have...
the formula for force.

I have...
motion.

I have...
there is an equal and opposite reaction.

Who has...
what mass multiplied by acceleration equals?

Who has...
an object is in motion when its distance from another object is changing?

Who has...
the rest of this phrase - "For every action...."

Who has...
the formula for speed?

I have...
speed equals distance divided by time.

I have...
speed.

I have...
the formula for mass.

I have...
Newton's 2nd Law Of Motion.

Who has...
the distance an object travels divided by the time it takes to travel that distance?

Who has...
what force divided by acceleration equals?

Who has...
what states that the force on an object is equal to the mass of the object multiplied by the acceleration?

Who has...
what states that an object at rest will stay at rest, and an object that is moving will continue to move, unless acted on by an outside force?

I have...
Newton's 1st Law Of Motion.

I have...
a rock or rollercoaster going down a hill.

I have...
balanced.

I have...
both the size of the force and the mass of the object.

Who has...
an example of kinetic energy?

Who has...
what type of force does not change an object's motion?

Who has...
what affects an object's acceleration?

Who has...
what states that if one object exerts a force on the second object, the second object exerts a force of equal strength in the opposite direction?

I have...

Newton's 3rd Law Of Motion.

I have...

distance equals speed multiplied by time.

I have...

velocity.

I have...

unbalanced forces.

Who has...

the formula for distance?

Who has...

the speed of an object moving in a particular direction?

Who has...

what type of force can change an object's motion?

Who has...

the formula for time?

I have...

time equals distance divided by speed.

I have...

potential energy.

I have...

work.

I have...

the formula for acceleration.

Who has...

what stored energy is called?

Who has...

what the transfer of energy is called?

Who has...

what force divided by mass equals?

Who has...

an example of potential energy?

I have...

a rock at the top of a hill.

I have...

when you exert a force on an object that causes the object to move.

I have...

balanced forces.

I have...

kinetic energy.

Who has...

the definition of work?

Who has...

equal forces that act on an object in opposite directions, are called?

Who has...

what the energy of moving objects is called?

Who has...

the rate at which the velocity or speed of an object changes, or a change of direction?

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