

# Physics

**Instructions: Memorize the following terms and their definitions.**

<u>Term</u>	<u>Definition</u>
matter	something that takes up space
mass	the amount of matter in an object
work	the application of force across distance
energy	the capacity for work
kinetic energy	the energy of an object in motion
potential energy	stored energy
electromagnetic energy	energy released from processes within an atom
radiation	the electromagnetic energy that is released from atoms
radioactive	emitting radiation due to the disintegration of atomic nuclei
nuclear fission	splitting the nucleus of an atom
nuclear fusion	combining the nuclei of two or more atoms together
nuclear energy	energy released from nuclear fission or fusion
wave	a pulse of energy released from a central source
wavelength	the distance between waves
inertia	the tendency of an object to continue moving at its current rate of speed
centripetal force	the force that keeps an object in a circular path from going outside of that path
centrifugal force	the inertial force of an object in a circular path

**Name:** \_\_\_\_\_

# Physics

**Instructions: Draw a line from each term to the correct definition, or vice versa.**

<u>Term</u>	<u>Definition</u>
electromagnetic energy	stored energy
radioactive	the inertial force of an object in a circular path
nuclear energy	combining the nuclei of two or more atoms together
radiation	something that takes up space
inertia	the energy of an object in motion
mass	a pulse of energy released from a central source
matter	the force that keeps an object in a circular path from going outside of that path
energy	energy released from processes within an atom
centripetal force	the amount of matter in an object
nuclear fission	the distance between waves
wavelength	the tendency of an object to continue moving at its current rate of speed
potential energy	the application of force across distance
centrifugal force	energy released from nuclear fission or fusion
nuclear fusion	the electromagnetic energy that is released from atoms
wave	the capacity for work
kinetic energy	emitting radiation due to the disintegration of atomic nuclei
work	splitting the nucleus of an atom

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# Physics

**Instructions: Write the missing term on the appropriate blank line.**

stored energy \_\_\_\_\_

the inertial force of an object in a circular path \_\_\_\_\_

combining the nuclei of two or more atoms together \_\_\_\_\_

something that takes up space \_\_\_\_\_

the energy of an object in motion \_\_\_\_\_

a pulse of energy released from a central source \_\_\_\_\_

the force that keeps an object in a circular path from going outside of that path \_\_\_\_\_

energy released from processes within an atom \_\_\_\_\_

the amount of matter in an object \_\_\_\_\_

the distance between waves \_\_\_\_\_

the tendency of an object to continue moving at its current rate of speed \_\_\_\_\_

the application of force across distance \_\_\_\_\_

energy released from nuclear fission or fusion \_\_\_\_\_

the electromagnetic energy that is released from atoms \_\_\_\_\_

the capacity for work \_\_\_\_\_

emitting radiation due to the disintegration of atomic nuclei \_\_\_\_\_

splitting the nucleus of an atom \_\_\_\_\_

**Name:** \_\_\_\_\_ **Date:** \_\_\_\_\_

# Physics

**Instructions: Define each term in the space provided.**

potential energy \_\_\_\_\_

mass \_\_\_\_\_

electromagnetic energy \_\_\_\_\_

matter \_\_\_\_\_

centripetal force \_\_\_\_\_

radiation \_\_\_\_\_

nuclear fusion \_\_\_\_\_

nuclear energy \_\_\_\_\_

inertia \_\_\_\_\_

work \_\_\_\_\_

wave \_\_\_\_\_

centrifugal force \_\_\_\_\_

wavelength \_\_\_\_\_

energy \_\_\_\_\_

nuclear fission \_\_\_\_\_

radioactive \_\_\_\_\_

kinetic energy \_\_\_\_\_

**Name:** \_\_\_\_\_

**Date:** \_\_\_\_\_