PHYSICS & ASTRONOMY

JEOPARDY!

Created by:

SOCIETY OF PHYSICS STUDENTS

Image Courtesy of NASA
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<td>Name famous physicists</td>
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**FINAL JEOPARDY**
NASA
National Aeronautics and Space Administration
SI UNIT
International System of Units
LED
Light-emitting diode
AC/DC
Alternating current/direct current
Laser
Light Amplification by Stimulated Emission of Radiation
Is an electric field a vector or scalar quantity?
A vector quantity
What is the function of an insulator in an electrical system?
It is a material in which electric current does not flow freely.
What material is commonly used as a conductor in household wiring?
Copper
What is the relationship between voltage and current?
Directly proportional
What is the constant component in ohm’s law?
Resistance
What unit is used to measure electric current?
Ampere
What is the SI unit of acceleration due to gravity on Earth (9.81...)?
Meters Per Second Squared
What is the SI Unit for Mass?
SI Unit

300 Kilogram

BACK
What does Pa stand for?
SI Unit

400 Pascal

BACK
What is the SI unit for this formula $P = VI$?
SI Unit

500

WATT

BACK
What type of galaxy is our Milky Way?
A barred spiral galaxy
What causes the Northern Lights (Aurora Borealis)?
They occur due to the interaction of solar wind with the Earth’s magnetic field.
How many exoplanets have been confirmed?
5,366
How many stars do we have in the Milky Way?
Between 100 to 400 billion stars
What is the color of the Sun?
White
Who developed the Theory of Relativity?
Albert Einstein
Which physicist is known for the laws of motion and universal gravitation?
Sir Isaac Newton
Which physicist is famous for the Schrödinger equation and wave functions?
Erwin Schrödinger
Who developed the theory of electromagnetism?
Michael Faraday
Which scientist first proposed the concept of black holes?
John Michell
Equilibrium theory is intricately linked to which concept?
Torque
An object won’t change the manner in which it moves unless a _______ acts upon it?
Force
What is the energy possessed by an object due to its motion called?
Kinetic energy
Which law of motion states that for every action, there is an equal and opposite reaction?
Newton's Third Law of Motion
What term describes the force that opposes the relative motion or tendency of such motion between two surfaces in contact?
Friction
OPTICS
THIS FORM OF LIGHT OCCURS WHEN PARTICLES ABSORB ENERGY AND DO NOT IMMEDIATELY RE-EMIT THAT RADIATION
PHOSPHORESCENCE