

**PHYSICS & ASTRONOMY**

**JEO P A R D Y !**

Created by:



**SOCIETY OF PHYSICS  
STUDENTS**

Image Courtesy of NASA

Alphabet  
soup

Electricity

SI Unit

Astrophysics

Name  
famous physicists

Classical  
mechanics

100

100

100

100

100

100

200

200

200

200

200

200

300

300

300

300

300

300

400

400

400

400

400

400

500

500

500

500

500

500

FINAL JEOPARDY

**Alphabet soup**

**100**

**BACK**

**NASA**

**ANSWER**

**Alphabet soup**

**100**

**National Aeronautics  
and Space  
Administration**

**BACK**

**Alphabet soup**  
**200**

**BACK**

**SI UNIT**

**ANSWER**

**Alphabet soup**  
**200**

# International System of Units

**BACK**

**Alphabet soup**  
**300**

**BACK**

**LED**

**ANSWER**

**Alphabet soup**

**300**

**Light-emitting diode**

**BACK**

**Alphabet soup**  
**400**

**BACK**

**AC/DC**

**ANSWER**

**Alphabet soup**

**400**

**Alternating  
current/direct  
current**

**BACK**

**Alphabet soup**

**500**

**BACK**

**LASER**

**ANSWER**

**Alphabet soup**

**500**

# **Light Amplification by Stimulated Emission of Radiation**

**BACK**

**Is an electric field a  
vector or scalar  
quantity?**

**A vector quantity**

**BACK**

**What is the function of  
an insulator in an  
electrical system?**

**ANSWER**

**It is a material in which  
electric current does not  
flow freely**

**What material is  
commonly used as a  
conductor in household  
wiring?**

**ANSWER**

**Electricity**  
**300**

**Copper**

**BACK**

**What is the relationship  
between voltage and  
current?**

**ANSWER**

Electricity  
**400**

**Directly proportional**

**BACK**

**What is the constant  
component in ohm's  
law?**

**ANSWER**

**Electricity**  
**500**

# Resistance

**BACK**

What unit is used to  
measure electric  
current?

SI Unit

**100**

Ampere

**BACK**

What is the SI unit of  
acceleration due to gravity  
on Earth (9.81...)?

ANSWER

**SI Unit**

**200**

**Meters Per Second  
Squared**

**BACK**

SI Unit

**300**

**BACK**

**What is the SI Unit for  
Mass?**

**ANSWER**

**SI Unit**

**300**

**Kilogram**

**BACK**

SI Unit

**400**

**BACK**

**What does Pa stand for?**

**ANSWER**

SI Unit

**400**

Pascal

**BACK**

SI Unit

**500**

**BACK**

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

**ANSWER**

**SI Unit**

**500**

**WATT**

**BACK**

**What type of galaxy is  
our Milky Way?**

**ANSWER**

# A barred spiral galaxy

**BACK**

**What causes the  
Northern Lights (Aurora  
Borealis)?**

**ANSWER**

**They occur due to the  
interaction of solar wind  
with the Earth's magnetic  
field**

**BACK**

**How many exoplanets  
have been confirmed?**

**ANSWER**

**Astrophysics**

**300**

**5,366**

**BACK**

**How many stars do we  
have in the Milky Way ?**

**ANSWER**

**Between 100 to 400  
billion stars**

**BACK**

**Astrophysics**

**500**

**BACK**

**What is the color of the  
Sun?**

**ANSWER**

**Astrophysics**

**500**

**White**

**BACK**

Name of Famous  
physicists  
**100**

**BACK**

**Who developed the  
Theory of Relativity?**

**ANSWER**

**Name of Famous  
physicists  
100**

**Albert Einstein**

**BACK**

**Which physicist is  
known for the laws of  
motion and universal  
gravitation?**

**Name of Famous  
physicists  
200**

**Sir Isaac Newton**

**BACK**

Name of Famous  
physicists  
**300**

**BACK**

Which physicist is  
famous for the  
Schrödinger equation  
and wave functions?

**ANSWER**

**Name of Famous  
physicists  
300**

**Erwin Schrodinger**

**BACK**

Name of Famous  
physicists  
**400**

**BACK**

Who developed the  
theory of  
electromagnetism?

**ANSWER**

**Name of Famous  
physicists  
400**

**Michael Faraday**

**BACK**

**Name of Famous  
physicists  
500**

**BACK**

**Which scientist first  
proposed the concept of  
black holes?**

**ANSWER**

**Name of Famous  
physicists  
500**

**John Michell**

**BACK**

Equilibrium theory is  
intricately linked to  
which concept?

ANSWER

# Torque

**BACK**

An object won't change the  
manner in which it moves  
unless a \_\_\_\_\_ acts upon  
it?

ANSWER

# Force

**BACK**

**What is the energy possessed by an object due to its motion called?**

**ANSWER**

# Kinetic energy

**BACK**

Which law of motion states that for every action, there is an equal and opposite reaction?

ANSWER

# **Newton's Third Law of Motion**

**BACK**

**What term describes the force that opposes the relative motion or tendency of such motion between two surfaces in contact?**

**ANSWER**

# Friction

**BACK**

**FINAL JEOPARDY**

**TOPIC**

**BACK**

**OPTICS**

**QUESTION**

**THIS FORM OF  
LIGHT OCCURS WHEN  
PARTICLES ABSORB  
ENERGY AND DO NOT  
IMMEDIATELY RE-EMIT  
THAT RADIATION**

**FINAL JEOPARDY**  
**ANSWER**

**PHOSPHERESCENCE**

**END**

THANK YOU FOR PLAYING  
**PHYSICS & ASTRONOMY**  
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