Advanced Physics for Young Scientists

Advanced Physics · Answer Key · 4 Questions

1. What is the fastest possible speed in the universe according to physics?

A) Speed of light in a vacuum
B) Speed of sound in air
C) Speed of electricity in copper wire
D) Speed of solar wind

2. What temperature represents 'absolute zero', the point where particles have minimal thermal energy?

A) 0 degrees Celsius
B) 0 Kelvin
C) -100 degrees Fahrenheit
D) 100 Kelvin

3. Protons and neutrons are made up of even smaller fundamental particles called what?

A) Electrons
B) Photons
C) Quarks
D) Neutrinos

4. In Albert Einstein's famous equation $E = mc^2$, what does the letter 'c' stand for?

A) Charge of an electron
B) Current in amperes
C) Center of gravity
D) Speed of light

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