

1. What type of frames does the theory strictly apply to?

A) Accelerated frames

B) Inertial frames

C) Non-inertial frames

D) Rotating frames

2. What does general relativity predict?

A) Gravitational waves

B) Time dilation

C) Length contraction

D) Quantum entanglement

3. What is the relationship between electric and magnetic fields according to Maxwell's equations?

A) They are fundamentally different

B) They are frame-dependent manifestations of the same phenomenon

C) They do not interact

D) They are only relevant at low speeds

4. What is the definition of mass?

A) The quantity of energy

B) The quantity of matter

C) The distance traveled in time

D) The curvature of space-time

5. What is zero considered in physics and math?

A) A physically realizable concept

B) A complex concept

C) A simple number

D) An absolute value