

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