

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