

Name _____

Gravity Unveiled: Can It Exist Without Mass?

Short Answer

1. Explain why massless particles can still be influenced by gravity even though they have no rest mass.
2. What did Albert Einstein's theory of general relativity propose about the nature of gravity, and how does it differ from Newton's theory?
3. Can an object with mass be completely shielded from gravity's influence?
4. How does the understanding that gravity depends on the presence of mass apply to everyday situations, such as why we stay grounded on Earth?

