

Name \_\_\_\_\_

## Defying Gravity: The Quest to Control Gravity

### Multiple Choice Questions

1. What is the fundamental force that pulls objects toward one another?
  - a) Electromagnetism
  - b) Gravitation
  - c) Nuclear force
  - d) Strong force
  
2. What is the concept of anti-gravity?
  - a) A technology that negates the effects of gravity
  - b) A type of gravity that repels objects
  - c) A force that creates artificial gravity
  - d) A method of reducing the weight of objects
  
3. How is gravity described in Albert Einstein's theory of general relativity?
  - a) As a force of attraction between objects
  - b) As the result of bending spacetime by massive objects
  - c) As a form of electromagnetic radiation
  - d) As a particle called the graviton
  
4. What is the main challenge in attempting to create a gravitational shield or cloak?
  - a) Lack of suitable materials
  - b) Inadequate scientific knowledge
  - c) Engineering difficulties
  - d) Unavailability of funding
  
5. Which theoretical concept suggests that gravity could be manipulated in a higher-dimensional space?
  - a) String theory
  - b) Quantum gravity
  - c) Antimatter theory
  - d) Newton's law of universal gravitation

