

Name _____

How Differential Equations Solve Real-World Mysteries

Multiple Choice Questions

1. How do meteorologists use differential equations?
 - A) To design bridges
 - B) To predict changes in weather
 - C) To model stock prices
 - D) To study population growth

2. In which field do engineers use differential equations?
 - A) Medicine
 - B) Economics
 - C) Engineering
 - D) Agriculture

3. How do economists use differential equations?
 - A) To model economic trends
 - B) To predict weather patterns
 - C) To design structures
 - D) To study disease spread

4. What role do differential equations play in healthcare?
 - A) Predicting stock prices
 - B) Designing bridges
 - C) Analyzing agricultural activities
 - D) Modeling disease spread

5. How do differential equations help us in making decisions?
 - A) By providing accurate weather forecasts
 - B) By optimizing energy usage
 - C) By modeling dynamic systems
 - D) By designing spacecraft

