

Name \_\_\_\_\_

## Engineering Marvels: Exploring the Impact of Calculus

### Multiple Choice Questions

1. How is calculus applied in the design of bridges and buildings?
  - A) By predicting weather patterns
  - B) By studying plant biology
  - C) By analyzing the forces acting on structures
  - D) By designing computer games
  
2. What role does calculus play in aerospace engineering?
  - A) Cooking recipes
  - B) Designing fashion accessories
  - C) Studying marine life
  - D) Analyzing the motion of objects in flight
  
3. How is calculus used in electrical engineering?
  - A) To predict earthquakes
  - B) To model the dynamics of electrical systems
  - C) To write poetry
  - D) To analyze historical events
  
4. What area of engineering heavily relies on calculus for developing algorithms?
  - A) Computer science and software engineering
  - B) Civil engineering
  - C) Agricultural engineering
  - D) Mechanical engineering
  
5. In which field is calculus used to model physiological processes and develop medical devices?
  - A) Materials engineering
  - B) Environmental engineering
  - C) Chemical engineering
  - D) Biomedical engineering

