

Name _____

Engineering Marvels: Harnessing the Power of Differential Equations

Open-Ended Response Questions

1. Can you provide an example of how engineers might use differential equations to optimize the design of a wind turbine?
2. How might differential equations help engineers predict and prevent structural failures in buildings?
3. Why is precise control and stability essential in control systems engineering applications?
4. How do engineers use differential equations to analyze fluid flow in hydraulic systems?

