

Name _____

Building Resilience: Designing for Earthquake Safety

Open-Ended Response Questions

1. Research and discuss a real-life example of a building or structure that successfully implemented earthquake-resistant design techniques. Describe the techniques used and their effectiveness during an earthquake event.
2. Explain how base isolation technology has evolved over the years and its impact on the earthquake resistance of buildings. Include historical examples if applicable.
3. Discuss the role of government regulations and building codes in promoting earthquake-resistant design. How do these regulations contribute to public safety in earthquake-prone regions?
4. Reflect on the challenges and considerations architects and engineers face when designing earthquake-resistant buildings. What trade-offs might be involved in balancing safety, cost, and aesthetics?

