

Name _____

Building Resilience: Designing for Earthquake Safety

Short Answer

1. Explain the concept of base isolation in earthquake-resistant building design.
2. Describe how reinforced concrete and steel contribute to the earthquake resistance of structures.
3. What is the purpose of tuned mass dampers in tall buildings during an earthquake, and how do they work?
4. How do bracing systems and shear walls help distribute seismic forces and prevent damage to buildings?
5. Why is it important for critical infrastructure like hospitals to implement earthquake-resistant design techniques?

