

Name \_\_\_\_\_

## Taming the Tsunamis: Understanding Their Origins and Measures for Detection and Mitigation

### Multiple Choice Questions

1. What is the most common cause of tsunamis?
  - a) Volcanic eruptions
  - b) Submarine landslides
  - c) Underwater earthquakes
  - d) Hurricane activity
  
2. How are tsunamis different from regular ocean waves?
  - a) Tsunamis travel at a slower speed.
  - b) Tsunamis have shorter wavelengths.
  - c) Tsunamis are generated by wind.
  - d) Tsunamis have extremely long wavelengths and high energy.
  
3. What is the role of seismic monitoring in tsunami detection?
  - a) Monitoring fish populations
  - b) Detecting underwater volcanic eruptions
  - c) Identifying potential tsunami-generating earthquakes
  - d) Predicting the weather conditions at sea
  
4. How do deep-ocean tsunami sensors contribute to early warning efforts?
  - a) They provide information on fish migration patterns.
  - b) They can detect the presence of oil spills.
  - c) They monitor the ocean's temperature changes.
  - d) They detect the passage of tsunami waves in the open ocean.
  
5. In addition to early warning systems, what other measures are important for tsunami mitigation?
  - a) Building taller buildings along the coast
  - b) Creating more artificial islands in coastal areas
  - c) Developing community education programs and evacuation plans
  - d) Planting trees along the shoreline

