

Dangerous tsunami threat off US West Coast

**** Class Set – Write answers on separate sheet of paper ****

1. Which of the following is an accurate summary of the whole article?

- A. California and Oregon have a long history of earthquakes. These earthquakes are predictable, and communities should prepare by creating earthquake-safe structures.
- B. Since the Cascadia fault has a very active history and predictable behavior, the West Coast is taking measures to predict and prepare for a large earthquake-induced tsunami.
- C. Although earthquakes and tsunamis are very dangerous, people on the West Coast don't need to worry about any natural disasters for at least another 100 years.
- D. Earthquakes and tsunamis are very dangerous, and people on the West Coast should worry about them. There is no way to detect or predict future earthquakes.

2. Which of the following is a MAIN idea in the section "Vertical Evacuation Centers"?

- A. To escape a tsunami, people need to get to high ground. If no high ground exists, then specially designed buildings or man-made hills are another option.
- B. Scientists are investing in the development of special tsunami sensors that can provide information on tsunami size in as little as five minutes.
- C. Earthquakes and tsunamis are extremely dangerous natural phenomena that affect people's daily lives. We must prepare for them.
- D. The Cascadia fault is scheduled to erupt within the next few months. The San Andreas fault is scheduled to erupt within the next five years.

Read the following passage from the article.

That tsunami took people by surprise. It killed more than 10,000 and left more than 300,000 homeless. It also damaged a nuclear power plant. A meltdown at the plant spread dangerous radiation in the area.

3. Why does the author use this passage?

- A. It is meant to warn people about the risks of traveling to Japan.
- B. It is meant to warn people about the dangers of nuclear energy.
- C. It provides an example of how destructive tsunamis can be.
- D. It provides an example of how tsunamis and earthquakes are related to tornadoes.

4. In the article, what example is given to describe how people can prepare buildings for tsunamis?

- A. An elementary school in Washington State built a man-made hill.
- B. Elementary schools along the coast are installing tsunami sensors underneath their school buildings.
- C. Elementary schools along the coast are installing tsunamis alarms.
- D. An elementary school in Washington State built a high wall to protect 1,000 people.