

Worksheet 5: Teacher Version for Lessons:

-*Tsunami Legends*

-*Fatal Tsunamis 1900-2011*

-*After a Tsunami*

**1. Throughout history, deadly tsunamis have happened**

- ☐ a. every few days.
- ☐ b. every few years.
- ☐ c. every few decades.
- ☐ d. almost never.

*Answer: b, Every few years*

**2. Since 1900, which of the following has *not* been identified as the cause of a fatal tsunami?**

- ☐ a. Volcano
- ☐ b. Landslide
- ☐ c. Meteor
- ☐ d. Earthquake

*Answer: c*

**3. List three locations that have experienced major tsunamis since 2000:**

\_\_\_\_\_  
*(Several possible answers, including Japan, Chile, Indonesia, Hawaii, Alaska, Grand Banks, Samoa Islands, Haiti, Solomon Islands, Peru )*

**4. What evidence might exist to indicate that a tsunami could have impacted a location long ago? Select all the possibilities from the list below.**

- ☐ a. Dead trees or the remains of tree stumps standing upright in the water just off a coast
- ☐ b. Layers of sand beneath deposits of silt
- ☐ c. Pottery and building materials jumbled with sea shells and other marine deposits
- ☐ d. "Trim lines" marking a boundary between vegetation and no vegetation

*Answers: a, b, c, and d*

5. Which of the following recent tsunamis caused the largest loss of life?

- \_\_\_ a. March 2011 in Japan
- \_\_\_ b. December 2004 in Indonesia
- \_\_\_ c. 1976 in the Philippines
- \_\_\_ d. 1946 in Dominican

Republic Answer: *b*

6. What did North American legends from the Pacific Northwest suggest was the cause of a large tsunami in the region?

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Answer: *a fight between a giant Thunderbird and a whale*

7. How did a Japanese man save people in his village from a tsunami?

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Answer: *He burned sheaves of rice to attract people into the hills.*

8. True or False. Scientists have proven that a meteor created a tsunami in Australia within the last 1000 years. (Circle the correct answer.)

Answer: *False. Scientist have evidence of an undersea impact crater, and there are legends about a star causing a flood, but there is not large agreement that these constitute proof.*

9. Are tsunamis strong enough to knock down buildings? \_\_\_\_\_

Answer: *Yes, tsunamis have in the past leveled buildings and other structures, sometimes over large areas.*

10. How can uplift and down-drop from an earthquake leave lasting damage?

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Answer: *tsunamis can be created, coastlines can be changed, coral reefs can be killed, ghost forests of dead trees can be produced*

11. Name two ways that sea water hurts farm lands. \_\_\_\_\_

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Answer: *salt water can get into the soil, sand or clay can be deposited on top of fertile soil*