

Name: _____

Date: _____

Earthquake and Tsunami

True or False

Use your *Living on Shaky Ground* magazine to answer the following true or false statements.

- | | | |
|--|------|-------|
| 1. California will fall into the ocean. | TRUE | FALSE |
| 2. You cannot surf a tsunami. | TRUE | FALSE |
| 3. Small earthquakes prevent large ones from happening. | TRUE | FALSE |
| 4. You should drop, cover, and hold on during an earthquake. | TRUE | FALSE |
| 5. Tsunami danger can sometimes last for more than a day. | TRUE | FALSE |
| 6. You should go on foot to get to high ground. | TRUE | FALSE |

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Answer Key

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- | | | |
|--|---------------------------------------|--|
| 1. California will fall into the ocean. | TRUE | <input checked="" type="radio"/> FALSE |
| 2. You cannot surf a tsunami. | <input checked="" type="radio"/> TRUE | FALSE |
| 3. Small earthquakes prevent large ones from happening. | TRUE | <input checked="" type="radio"/> FALSE |
| 4. You should drop, cover, and hold on during an earthquake. | <input checked="" type="radio"/> TRUE | FALSE |
| 5. Tsunami danger can sometimes last for more than a day. | <input checked="" type="radio"/> TRUE | FALSE |
| 6. You should go on foot to get to high ground. | <input checked="" type="radio"/> TRUE | FALSE |

Instructor's Notes

Earthquake and Tsunami

True or False

True or False: A series of statements that can each be judged as either “true”, meaning correct, or “false”, meaning incorrect.

Lesson Plan:

- The instructor will hand out copies of the provided *Living on Shaky Ground* magazines and the Earthquake and Tsunami True or False sheets.
- Using *Living on Shaky Ground*, the students will work independently or in small groups to answer the true or false statements.
- The class will come together to discuss the true or false statements. This provides an opportunity for reflection and clarification. The instructor should bring attention to the realities that explain why the false statements are false in order to emphasize the important of accurate information (see below)

*The instructor is provided with an answer key.

Explanations of False Statements:

- California will fall into the ocean.
 - Earthquakes help to keep the land above sea level through uplift. Due to the tectonics, you do not have a situation where California would break off from North America.
- Small earthquakes prevent large ones from happening.
 - Small earthquakes release very little energy compared to large ones. It would take roughly five M5 earthquakes every day for 500 years to equal the power of one M9 earthquake.