

Putting Down Roots in Earthquake Country: Do You Have an Earthquake Safety Plan?

Earth Science

Mr. Traeger

Name: _____

Period: _____

Date: _____

Assignment

Your assignment is to go through the booklet entitled *Putting Down Roots in Earthquake Country: Southern California 2011 Edition*. Answer the following questions. Then fill out the following grid after inspecting your home. Ask your parents/guardians about questions that you don't know the answers to around your home. This booklet can also be found online at

<http://www.earthquakecountry.info/roots/index.php>

Why Should You Care?

1. Why should you care about earthquakes in Southern California? Write a short essay below. Make sure to cite evidence from the booklet.

What Should You Do? The seven steps on the road to earthquake safety

Go around your house and find the answers to the following items in the grid. Ask your parents/guardians if you do not know. Use an extra sheet of paper if needed.

Item #	Inspection	Remedy
#1 What are potential hazards around your home? Cite evidence from the booklet.	Do you have any hazards around your home? Name them.	What can you do to fix these hazards?
#2 What goes in to a good disaster plan? Create one. Cite evidence from the booklet.	Do you have a disaster plan for earthquakes? Tell me about it.	What do <u>you</u> need to do if you don't have a plan?

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#3 What goes in to a good disaster supply kit? Cite evidence from the booklet.	Do you have a disaster supply kit? What items does it have? Do you know First Aid & CPR? If not, see remedy.	What more do you need to do for your disaster supply kit? Could you take a First Aid/CPR course? Where?
#4 What are some potential structural weaknesses around the home? Cite evidence from the booklet.	Do you have any potential structural weaknesses around <u>your</u> home? <u>Take the Structural Safety Quiz for Single-Family Home or Duplex on page 21 and put that score here.</u>	What would you need to do to fix any weaknesses you may have?
#5 What should you do during earthquakes and aftershocks? Cite evidence from the booklet.	Have you practiced these techniques? Why or why not?	If you haven't practiced these techniques, how could you teach your family about them?
#6 What things should you check for after the shaking stops? Cite evidence from the booklet.	Do you know where items such as the gas shutoff valves and electrical shutoffs are around your house? Where are they?	How might you fix things around your house that are damaged? Do you know how to shut off your natural gas and electricity? If not, find out!
#7 What are some follow up items that you need to attend to after an earthquake? Cite evidence from the booklet.		

What Should You Know?

1. How are earthquakes located and measured?

2. What are the four factors that will affect how much shaking you will feel at your house? Describe each of them in detail. See page 30.