Engineering for EarthquakesLab Journal



Student Name:



Vocabulary

WORD **DEFINITION PICTURE** Boundary Convection current Earthquake Engineering Fault

Post-Visit Journal

Post-Visit Journal

Vocabulary

WORD	DEFINITION	PICTURE
Force		
Liquefaction		
Magnitude		
Plate tectonics		
Volcano		

Pre-Visit Journal			

Earthquake Preparation

We cannot predict when an earthquake will happen, but we can prepare for these situations. Think about what you can do in the roles of students and engineers to help your community deal with earthquakes.

	STUDENT	ENGINEER
Before an earthquake		
During an earthquake		
After an earthquake		

Notes and Connections	Pre-Visit Journal
If you get a chance to see an IMAX film, visit the galleries or participate in other experiences at The Tech Interactive, look for connections between the lab content and your other experiences. Look for information about earthquakes, engineering and force. What do you find?	
EARTHQUAKES What did you see/learn? Where?	
ENGINEERING	
What did you see/learn? Where?	
FORCE What did you see/learn? Where?	

My Questions

Questions I want to ask about earthquakes: Answer: Answer: Answer: Source:

Lab Questions

- 1. Label the four layers of Earth with the correct layer.
 - A. Lithosphere
 - B. Outer core
 - C. Inner core
 - D. Mantle



2. What landscape features are created by these plate boundaries?

Divergent:	
Convergent:	
Transform	

3. Draw some of the stable shapes for building.

4. Draw a diagram of one of your structures and identify any failure points.