Quake: Note-taking Guide

1. Using the Department of Natural Resources source, list 3 examples of structure features that are likely to be damaged in an earthquake.
2. Using the Department of Natural Resources source, Why do earthquakes in the New Madrid Zone damage a larger area than earthquakes in most other active regions?
3. Using the Department of Natural Resources source, What are some interesting estimates of damage that could occur if another significant earthquake happened in the New Madrid Seismic Zone?
4. Using the article “The New Madrid Seismic Zone” What are 5 earthquake-related hazards that could occur?

1.

2.

3.

4.

5.

1. Using the article “The New Madrid Seismic Zone” Compare the damage from past quakes in the NMSZ to more recent earthquakes in New Zealand and Haiti.

DAMAGE

Past Quakes NMSZ Recent Quakes New Zeland/Haiti

1. Using the National Geographic page “Earthquake Resistant Homes Compared” List what is being done in each country to make houses earthquake resistant.

Pakistan—

Haiti—

Peru—

Indonesia--

1. From the video on the How Stuff Works App: What do US Geologists say is the risk of an earthquake in the NMSZ in the next 50 years?
2. How Stuff Works app article “How Earthquake-resistant Buildings Work” –List 5 or more ways buildings are made earthquake resistant.

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1. In the Earthquake Scientist video what is one way they make buildings earthquake resistant in the present and one way they hope to in the future?
2. Should your building be symmetrical or asymmetrical? Why? View “The Dos and Don’ts of Earthquake Resistant Construction” for the answer.
3. In the Faultline article, what are 3 or more ways discussed that make buildings stand up to earthquakes?

1.

2.

3.

4.

1. Using the link “In Search of the Earthquake Proof Building” what are 1-3 ways discussed that help the earthquake resistance of buildings?

1.

2.

3.

1. Write any other interesting facts or observations you may need for this section.