

**GLG 110 – Homework #3
EARTHQUAKES – 10 pts.**

HISTORIC EARTHQUAKE – 5 points: Search the web for an earthquake that occurred in the past. Your summary should be typed, double-spaced and not more than ½ page in length. Include interesting facts about the earthquake including what type of plate boundary is in the area and why geologists think the earthquake occurred, how big the earthquake was and the kind of destruction it caused. Please include geology facts, not just death tolls and damage estimates. Your summary should not include personal commentary. Tell only about the event, history, etc. Be sure to tell where the earthquake you chose is located.

FAULTS – 5 points: Make 3 different sketches that illustrate the following fault types: Normal, Reverse, and Strike-Slip. The normal and reverse fault sketches should be cross-sections. The strike-slip fault sketch should be a map view. If you prefer, you may draw block diagrams that show both cross-section and map view. Label each fault. Draw arrows to show relative fault displacement. On the normal and reverse faults, draw arrows to show compressive or tensional stress and indicate which stress-type is present. You may refer to the sketch in your book on p. 174. You may also want to visit the web cite: <http://www.tinynet.com/faults.html>. Your sketch should be colorful and easy to read. Use only colored pencils (no crayons or markers). Refer to the rubric for grading information. Attach this paper to the top of your homework.

Rubric:Historic Earthquake:

Grammar, spelling, sentence fluency - 2.5

Geology facts, location, destruction - 2.5

Faults:

3 neatly colored sketches – 3

Labeled with stress arrows – 2

**GLG 110 – Homework #3
EARTHQUAKES – 10 pts.**

HISTORIC EARTHQUAKE – 5 points: Search the web for an earthquake that occurred in the past. Your summary should be typed, double-spaced and not more than ½ page in length. Include interesting facts about the earthquake including what type of plate boundary is in the area and why geologists think the earthquake occurred, how big the earthquake was and the kind of destruction it caused. Please include geology facts, not just death tolls and damage estimates. Your summary should not include personal commentary. Tell only about the event, history, etc. Be sure to tell where the earthquake you chose is located.

FAULTS – 5 points: Make 3 different sketches that illustrate the following fault types: Normal, Reverse, and Strike-Slip. The normal and reverse fault sketches should be cross-sections. The strike-slip fault sketch should be a map view. If you prefer, you may draw block diagrams that show both cross-section and map view. Label each fault. Draw arrows to show relative fault displacement. On the normal and reverse faults, draw arrows to show compressive or tensional stress and indicate which stress-type is present. You may refer to the sketch in your book on p. 174. You may also want to visit the web cite: <http://www.tinynet.com/faults.html>. Your sketch should be colorful and easy to read. Use only colored pencils (no crayons or markers). Refer to the rubric for grading information. Attach this paper to the top of your homework.

Rubric:Historic Earthquake:

Grammar, spelling, sentence fluency - 2.5

Geology facts, location, destruction - 2.5

Faults:

3 neatly colored sketches – 3

Labeled with stress arrows – 2