

January 29, 30 2003

Name:

Section:

Discussion 1: Features of the Earth – Globe Exercise

Use the large globe in the lobby outside the Geology Museum to answer the following questions. You may want to draw pictures as a part of your answers.

1. Observe the distribution of major mountain belts on the continents. Describe the distribution of the Andes in South America and the Himalayas in Asia.

These mountain belts represent what type of plate margin?

How do you explain mountain building at this type of margin – what are the plates doing and how does that cause mountains to form?

2. What's the longest single chain of mountains on the planet?

What type of plate margin is reflected here?

How do you explain mountain building at this type of margin?

3. Which type of plate margin is most responsible for the earthquakes in California?

How do the plates move in relation to each other at this type of plate margin?

4. Draw a cross-section through the Earth. Label each layer of the Earth and indicate whether each layer is solid or molten: