

SUBDUCTION ZONE EARTHQUAKES LAB

INSTRUCTIONS: Open up LinkViewer on you iPads and begin the activity. You will need to plot the locations of the earthquakes on the graphs on the back of this page. When you are done, please answer the questions below.

1. Explain the difference between an earthquake's focus and its epicenter.

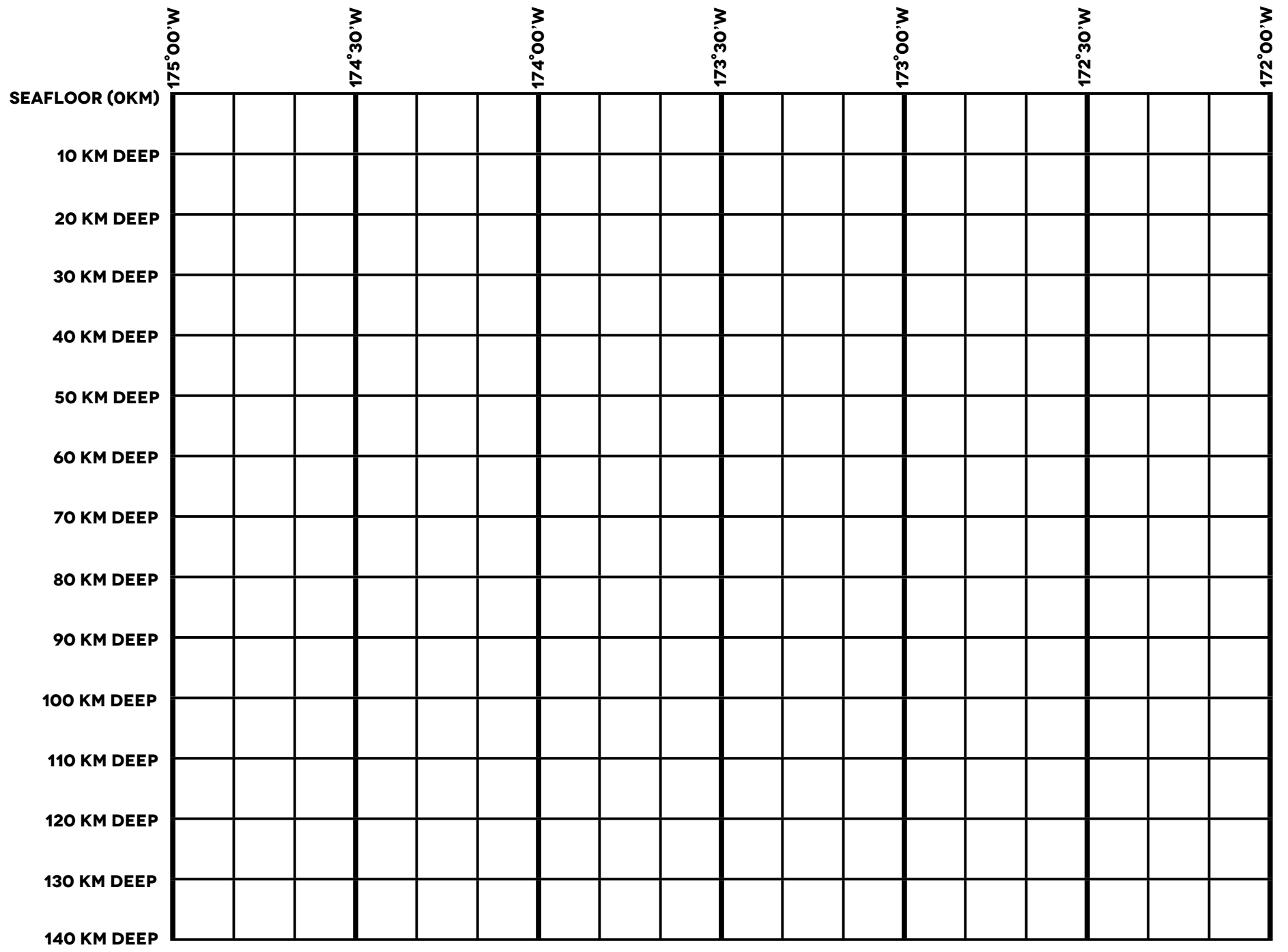
2. Explain why the pattern of earthquake depth at each of these plate boundaries looks the way it does.

3. Describe how the pattern of earthquake depth at location 1 differs from that of location 2.

4. How do you think the depth of an earthquake impacts the intensity of shaking at the epicenter above?

5. In the box below, sketch a diagram of a subduction zone. Be sure to label the following parts; oceanic crust, continental crust, trench, convection currents, volcanoes, earthquake foci.

LOCATION #1



LOCATION #2

