

NAME: _____

Due date: March 8.

The Physical Geography of My Place (15% of your total grade)

The goal of this exercise is to show how your adopted place on Earth fits into the global physical processes and geographic patterns that we have studied in class. Use data and maps available in the text or web to answer what creates the physical geography of your place. Your place will be any place on Earth, and I encourage you to select somewhere outside of North America that you have never been to, but would like to visit someday. Find data for your place and record them in the blanks provided, you will be able to integrate what you know into a more holistic understanding of what your place is like and why. At the end, you will be asked to write a short essay (1 page maximum) about what makes the physical geography and human-environment interactions of your place unique. It is due on the March 9th.

Part 1. General Information (5 points)

- 1.1. My Place: _____
- 1.2. Reasons for your choice _____
- 1.3. Location: Latitude _____ Longitude _____

Part 2. Earth-Sun & Atmosphere (15 points)

- 2.1. Approximate noon sun angle
at Equinox _____°, at their summer solstice _____°, at their winter solstice _____°.
- 2.2. Approximate insolation at Earth's surface _____ W/m². (Figure 3-2)
- 2.3. What does the Figure 3-2 tell us about the land cover or atmospheric conditions of your place?

Part 3. Climate and Water Resources (20 points)

- 3.1. Go to <http://www.worldclimate.com/> Find and record mean monthly precipitation and temperature data of your place. Sketch an approximate CLIMOGRAPH for your place.

Part 4. Geomorphology (30 points)

- 4.1. Approximate latitude () and longitude () of your place 225 million years ago (Figure 8-15).
- 4.2. What might they say about local climate conditions then?
- 4.3. What lithospheric plate is your place on? (Figure 8-16).
- 4.4. What is the direction of plate movement at your place (Figure 8-16)?
- 4.5. What kind of plate boundary, if any, is your place near? (Figure 8-18)?
- 4.6. Is there volcanic, earthquake, or hotspot activity there? (Figure 8-18) What kind and why?
- 4.7. What types of topographic region (Figure 9-3)?
- 4.8. Is it on a continental shield? (Figure 9-4) Name: _____
- 4.9. What structural region or mountain system is it in? (Figure 9-19)
- 4.10. How are tectonic conditions expressed in the landscape of your place?

Part 5. Essay (30 points)

Write a short essay (1 page maximum) about what makes the physical geography and human-environment interactions of your place unique.

(Bonus: 10 points) Using any good atlas or a large scale map determine the following.

What is the major river or drainage system?

Classify the local drainage pattern (Fig. 11-9)