

Name _____

Period _____

Score _____

Free Response HW: Islands

Directions: Answer questions 1 through 15 on your knowledge of Earth Science and the attached map. The map represents a group of islands somewhere on Earth. Note: some of the lines of latitude and longitude have been omitted on purpose. Elevation is in meters.

1. On the map, draw in the missing lines of longitude in the correct location.

2. What is the contour interval shown on the map? Use correct units.

3. What is the elevation of the center of the depression on Doupe' Island? Use correct units.

4. Which direction is Moore River flowing?

5. Which direction is Levine River flowing?

6. What is the latitude and longitude of the center of Levineville? Latitude

Longitude

7. What world ocean is shown on the map?

8. What landmass is represented by the "X"?

9. What is the maximum possible elevation of point M on Moore Island?

10. What is the maximum possible elevation of point L on Levine Island?

11. What is the distance from point D to point M? Use correct units.

12. What is the distance from point L to point M? Use correct units.

continued on back

13. Draw a profile from Point D on Doupe' Island to Point Q on Levine Island. *Y axis shows elevation.*



14. In the worst case scenario, global ocean levels may rise 10 meters. On your map, shade in all the areas that would now be covered by water; *do not shade in the areas already covered by water.*

15. After shading in the areas that would now be covered by water, draw a new profile from Point D on Doupe' Island to Point Q on Levine Island. *The vertical axis indicates elevation in meters.*



