**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Oceanography Inquiry Questions**

**Please record answers on a separate sheet of paper.**

1. How was the depth of the ocean determined?
2. How has scientist used advanced technology to better understand oceans?
3. Explain how volcanism may have played a role in the development of oceans.
4. How has the sea level changed over time?
5. How is ocean water distributed in the northern and southern hemispheres?
6. How is pack ice formed?
7. Compare and contrast oceans and seas.
8. How is the salinity of water measured?
9. Why does the salinity of oceans vary?
10. How are salt ions added to ocean waters?
11. How are salt ions removed from ocean water?
12. Why does the density of oceanic water change?
13. Why would red objects appear black in water?
14. Describe the three layers of ocean water.
15. Explain how ocean water masses are formed.
16. Why do waves vary in height?
17. Why do waves become breakers?
18. Compare and contrast spring and neap tides.
19. Why do gyres form?
20. How do warm, tropical currents reach higher, colder latitudes?
21. Why are some of the richest fishing grounds found of the coast of Peru and California?
22. What are barrier islands and how are they formed?
23. How are lagoons formed?
24. How do breakwaters, jetties, seawalls, and groins protect coastal areas?
25. Explain the Coriolis Effect.
26. How do sea breezes and land breezes form?