

海洋學試題

1. Why does water tend to flow around the periphery of an ocean basin? Why are western boundary currents the fastest ocean currents? (20 分)
2. What are the key nutrients in the ocean? What is their general distribution pattern? (15 分)
3. Why are abyssal plains relatively rare in the Pacific? (15 分)
4. Explain why seamounts and guyots increase in age and depth with increased distance from the oceanic ridges and rises. (20 分)
5. Explain the following terms: (30 分)
 - a. Hydrothermal vent
 - b. Thermohaline circulation
 - c. Relict sediment
 - d. Oligotrophic
 - e. Ekman transport
 - f. Constructive plate margins