

Chapter 4 Ecosystems and Communities **Section Review 4-4**

Completion *On the lines provided, complete the following sentences.*

1. The four main factors that affect aquatic ecosystems are _____, _____, _____, and _____.
2. Most freshwater ecosystems belong in one of two following categories: _____ ecosystems and _____ ecosystems.
3. The ocean zones based on light penetration are the _____ and _____.
4. The ocean zones based on the distance from land and the depth of the ocean floor are the _____, _____, and _____.

Reviewing Key Skills

5. **Applying Concepts** What abiotic factors characterize salt marshes?

6. **Applying Concepts** Why might a wide range of species be endangered by the pollution of an estuary?

7. **Applying Concepts** What role does phytoplankton play in the food webs of many aquatic ecosystems?

8. **Comparing and Contrasting** What distinguishes the photic zone from the aphotic zone in a marine ecosystem?

9. **Comparing and Contrasting** Explain why photosynthesis is more likely to occur throughout the coastal ocean but only in a small part of the open ocean.

10. **Predicting** Which ocean zone would seem least likely to support marine life?

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