

M O D E R N E A R T H S C I E N C E

Section 21.1

Properties of Ocean Water

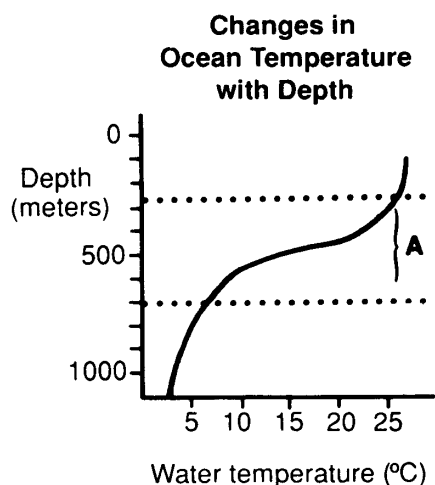
Read each statement below. If the statement is true, write *T* in the space provided. If the statement is false, write *F* in the space provided.

- _____ 1. Ocean water is 78 percent pure water.
- _____ 2. The salinity of ocean water tends to be lower near fresh water runoff from rivers.
- _____ 3. The total amount of solar energy falling on the surface of the ocean is much greater at the poles than at the equator.
- _____ 4. The amount of dissolved solids in the water affects the density of ocean water.
- _____ 5. The relative amounts of dissolved substances in ocean water have remained almost constant over millions of years.

Complete each statement by writing the correct term or phrase in the space provided.

6. Of the three principal gases dissolved in ocean water, the one that dissolves most easily is

_____ .



7. The region labeled A in the diagram indicates a zone called the _____ .

8. The layer of floating ice that covers the ocean surface near the poles is called

_____ .

9. The most abundant dissolved elements in ocean water are sodium and

_____ .

10. Clear water generally appears blue because blue wavelengths are the only wavelengths that tend to be _____ .