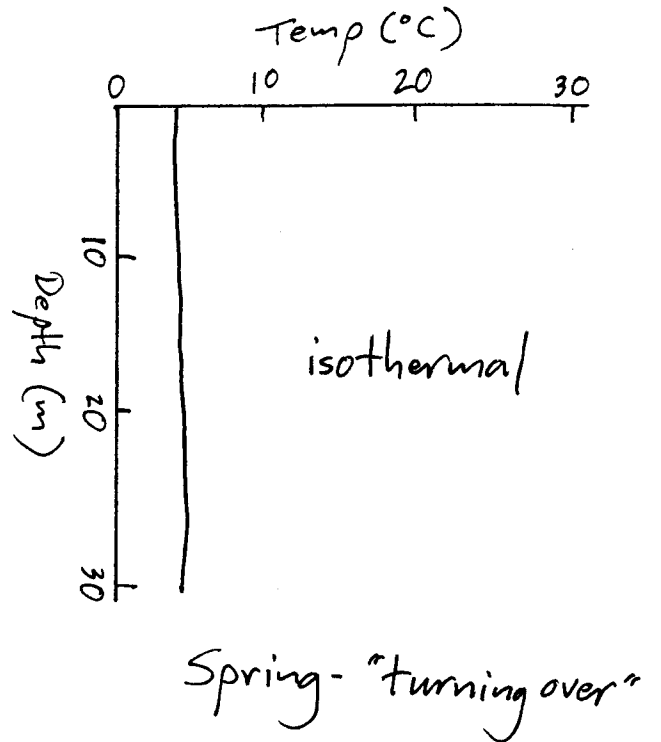
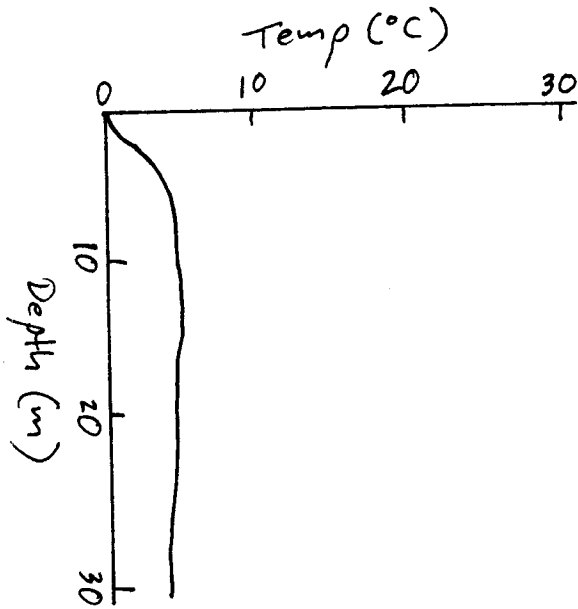
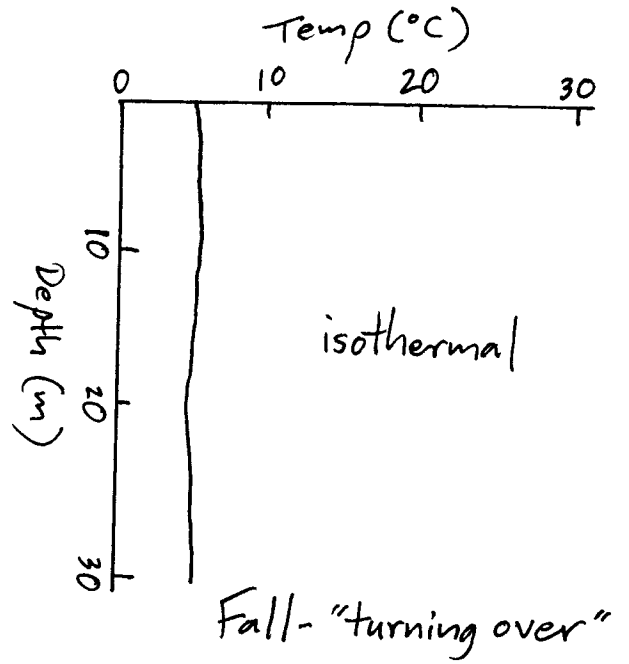
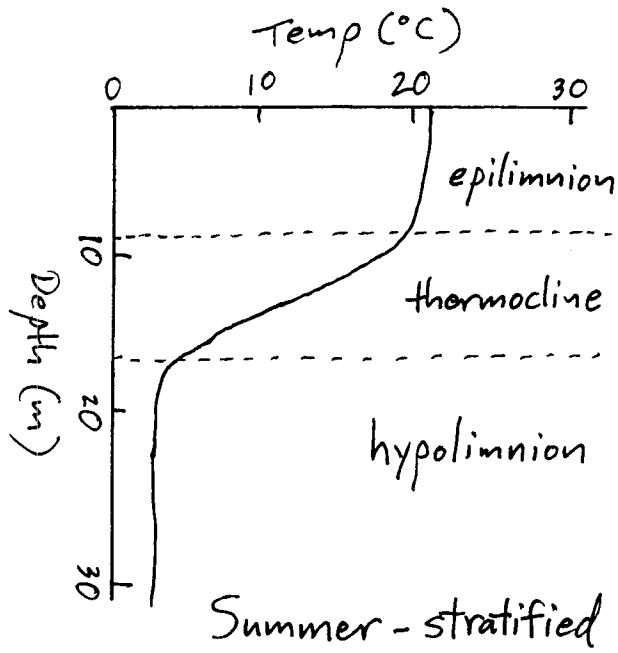


TABLE 6-1 PLASMA SOLUTE CONCENTRATIONS IN MMols/L

Habitat	Species	[Na <sup>+</sup> ]	[Ca <sup>2+</sup> ]	[K <sup>+</sup> ]	Urea	Total salts (mOsm/l)
M	Hagfish ( <i>Myxine glutinosa</i> ) <sup>a</sup>	549	5	11	—	1152
F	Lamprey ( <i>Lampetra fluviatilis</i> ) <sup>b</sup>	120	2	3	—	270
M	Dogfish ( <i>Squalus acanthias</i> ) <sup>c</sup>	263	7	4	357	1007
M	Anglerfish ( <i>Lophius americanus</i> ) <sup>d</sup>	198	2	3	—	—
M	Moray eel ( <i>Murena helena</i> ) <sup>b</sup>	212	4	2	—	—
F	Bass ( <i>Micropterus dolomieu</i> ) <sup>e</sup>	140	3	3	—	—
F	Whitefish ( <i>Coregonus clupeoides</i> ) <sup>b</sup>	141	3	4	1	—
	Seawater <sup>f,g</sup>	~450	~20	10	—	1000
	Fresh water <sup>h,i</sup>	<1	<1	<1	—	1-10

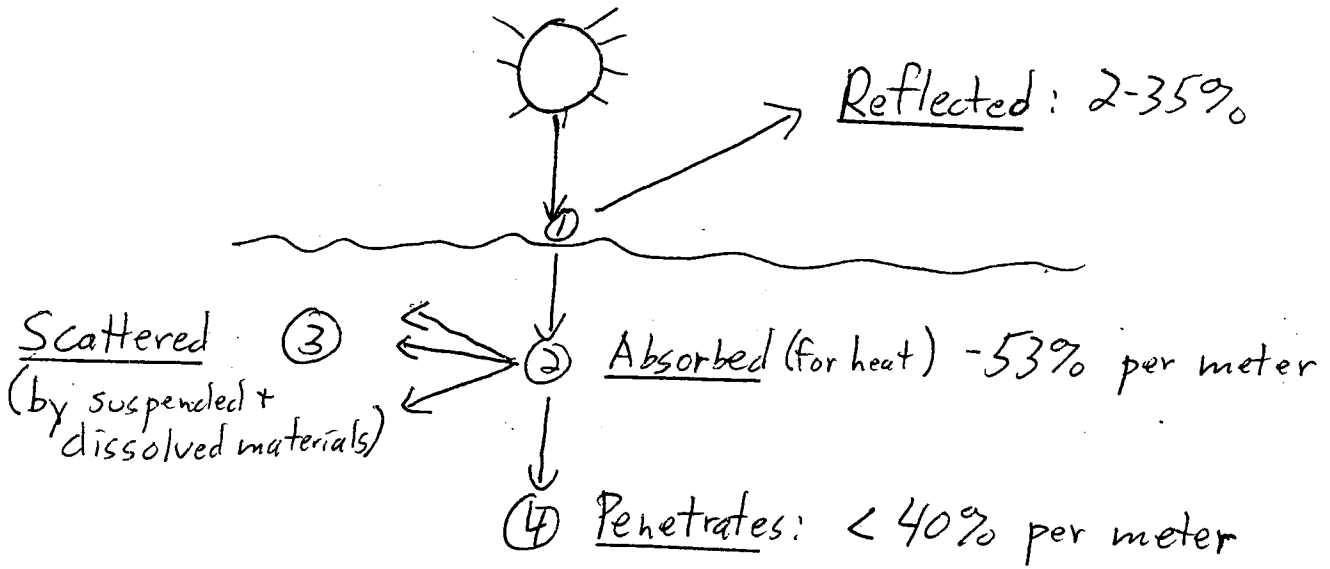
Sources: <sup>a</sup>Bellamy and Chester-Jones 1961; <sup>b</sup>Robertson 1954; <sup>c</sup>Murdaugh and Robin 1967; <sup>d</sup>Forster and Berglund 1956; <sup>e</sup>Shell 1959; <sup>f</sup>Schmidt-Nielsen 1975; <sup>g</sup>von Arx 1962; <sup>h</sup>Hutchinson 1957; <sup>i</sup>Royce 1972.



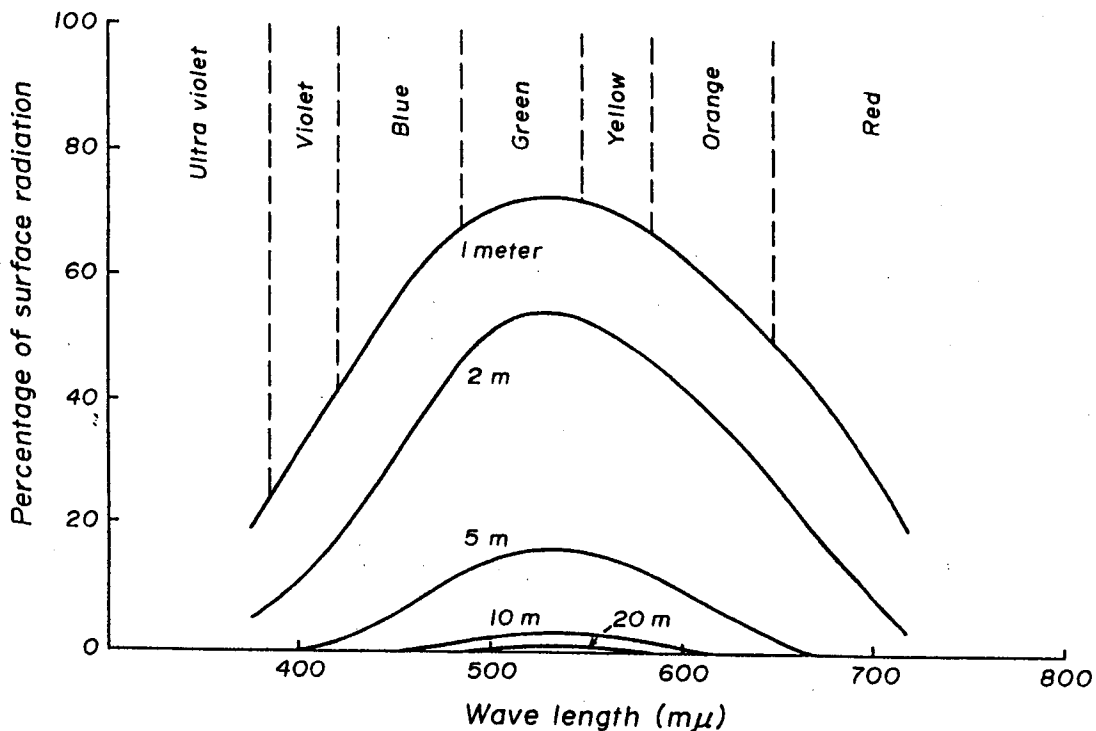
Consequences of the density properties of Water

# Light in Water

## I. Quantity: Fate of Incident Solar Radiation



## II. Quality: Color Spectrum in Water



N  
95