

FIGURE 1-37 Landmarks in the evolution of life on Earth.

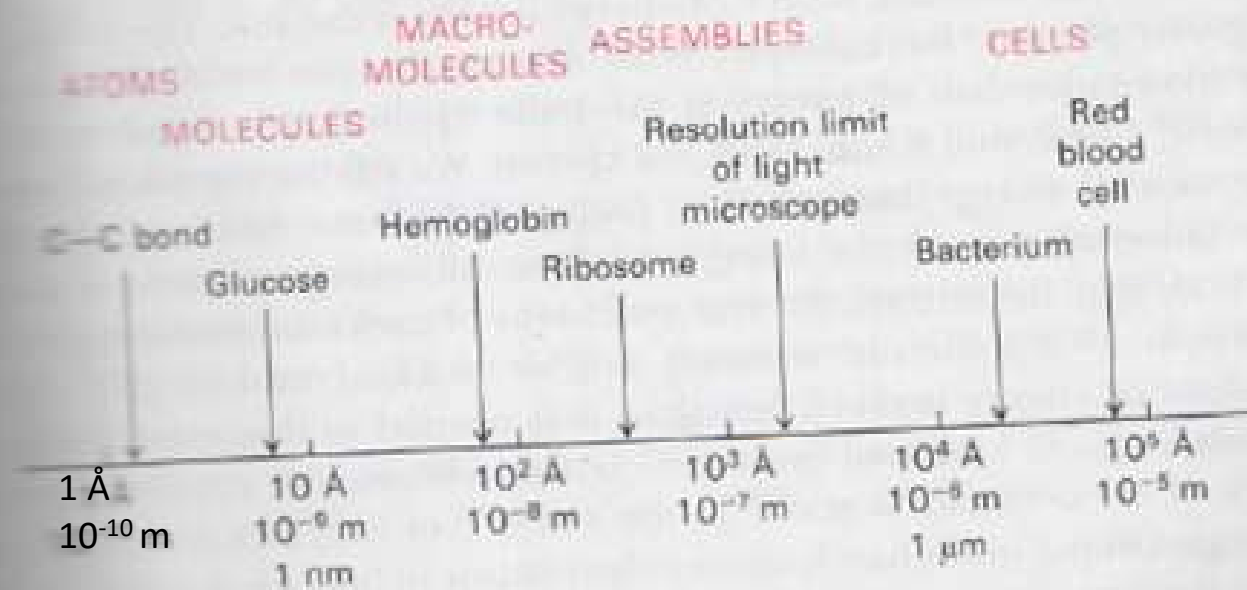
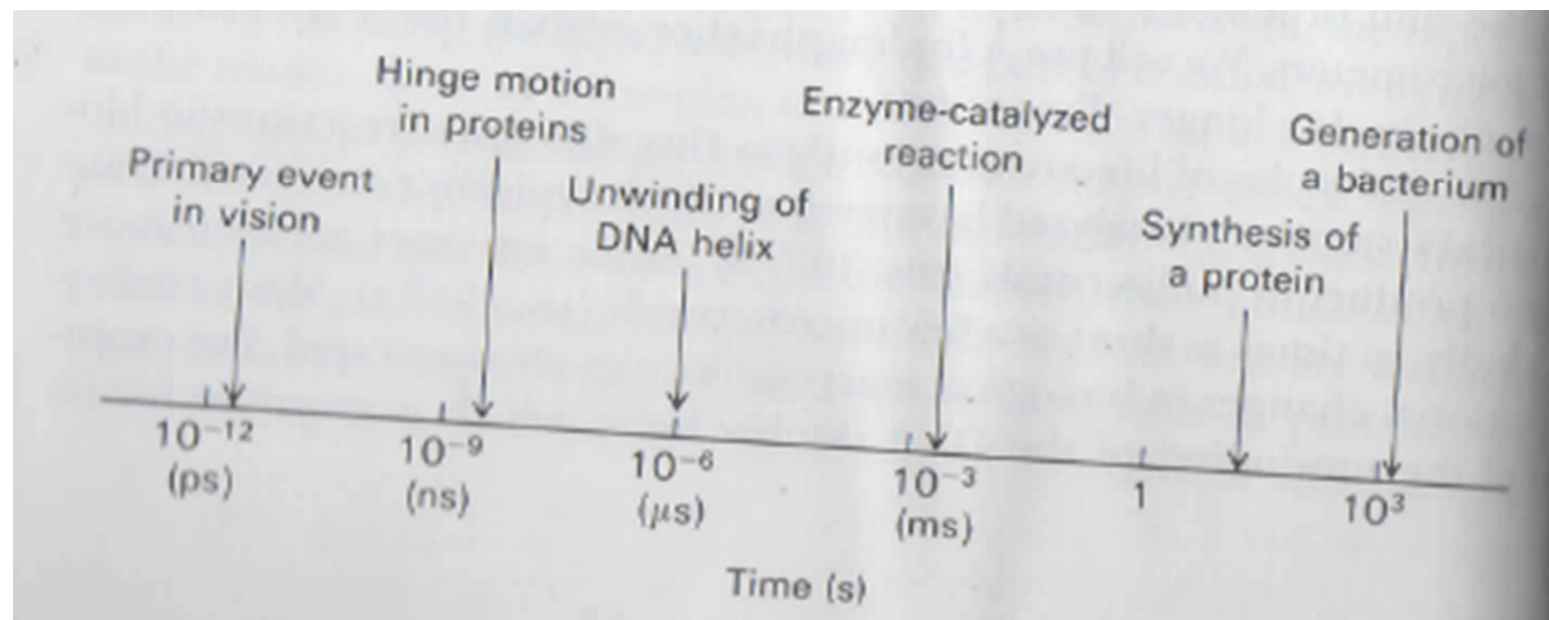


Figure 1-5
Dimensions of some biomolecules, assemblies, and cells.



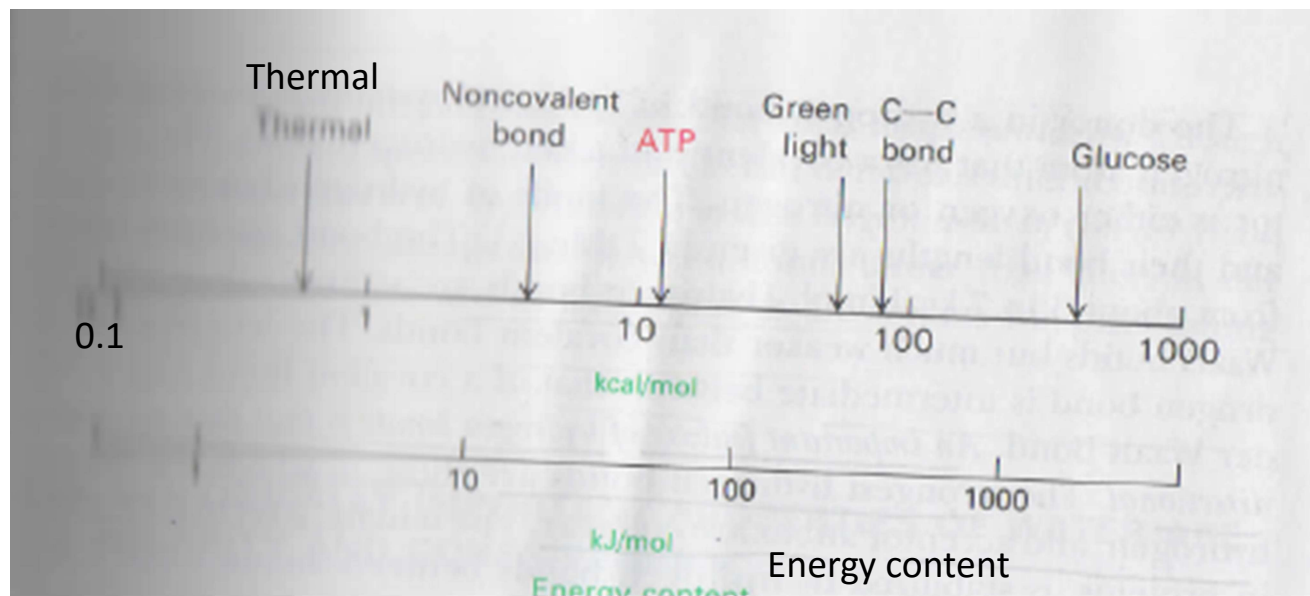


Table 1-1
Typical hydrogen-bond lengths

<i>Bond</i>	<i>Length (Å)</i>
O—H ··· O	2.70
O—H ··· O ⁻	2.63
O—H ··· N	2.88
N—H ··· O	3.04
N ⁺ —H ··· O	2.93
N—H ··· N	3.10



Figure 1-9

Schematic diagram of hydrogen bonding between an amide and a carbonyl group in an α helix of a protein.

Table 1-2
Van der Waals contact radii
of atoms (Å)

<i>Atom</i>	<i>Radius</i>
H	1.2
C	2.0
N	1.5
O	1.4
S	1.85
P	1.9

