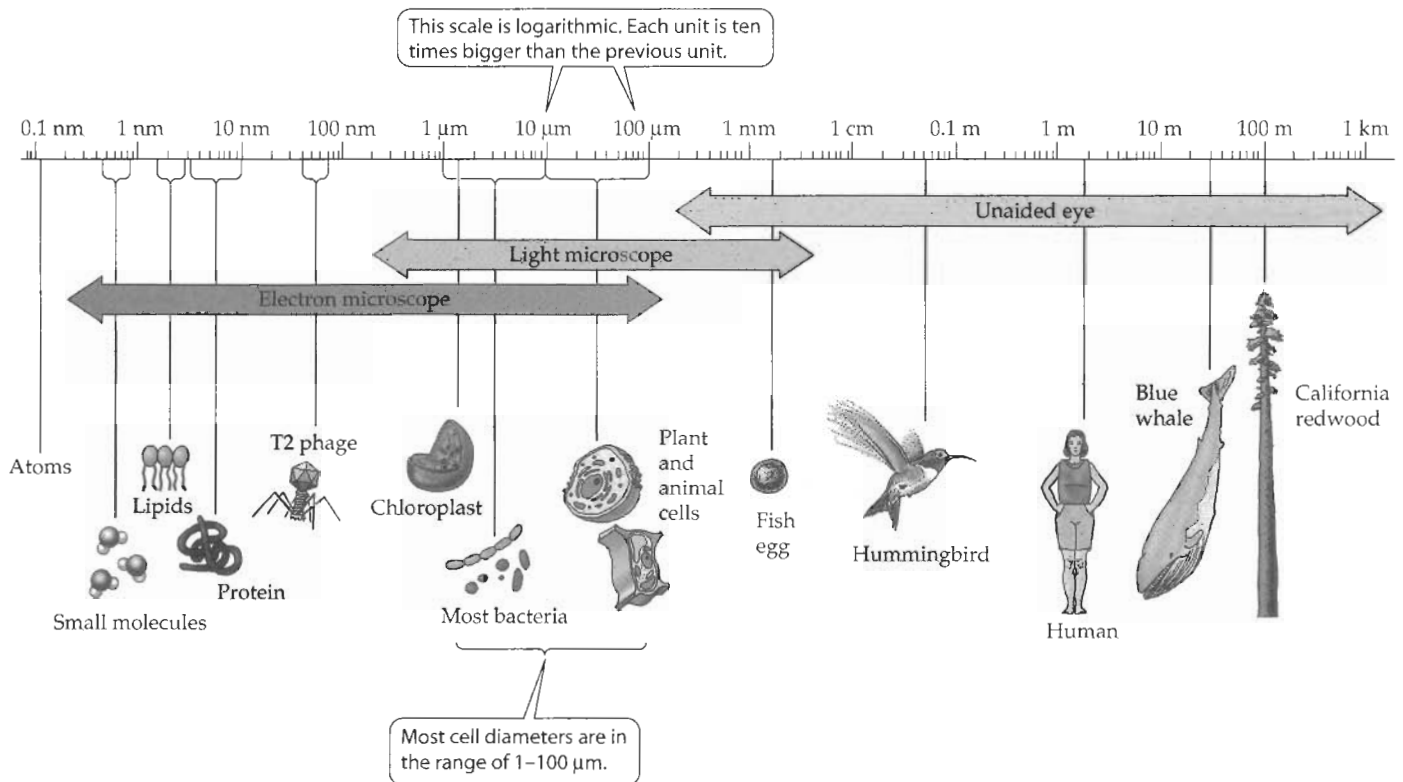
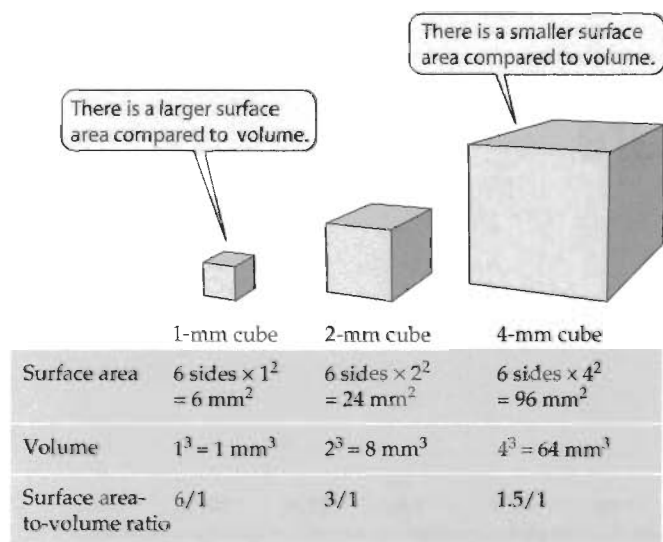


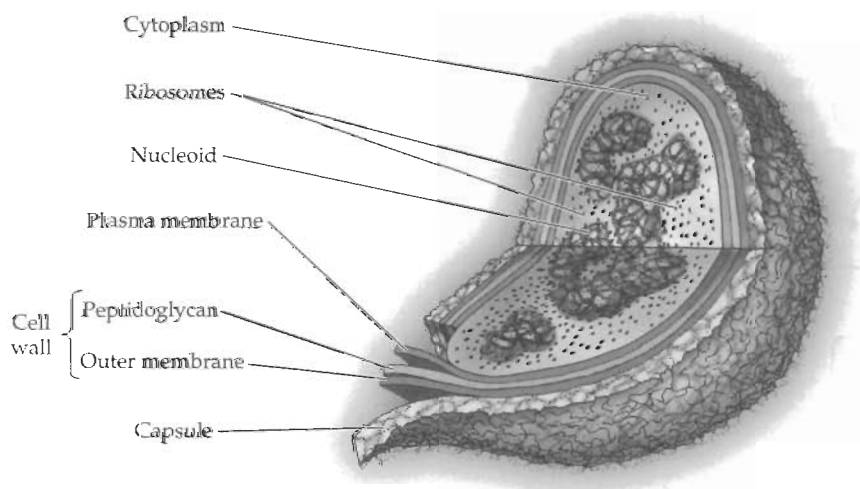
4 Cells: The Basic Units of Life



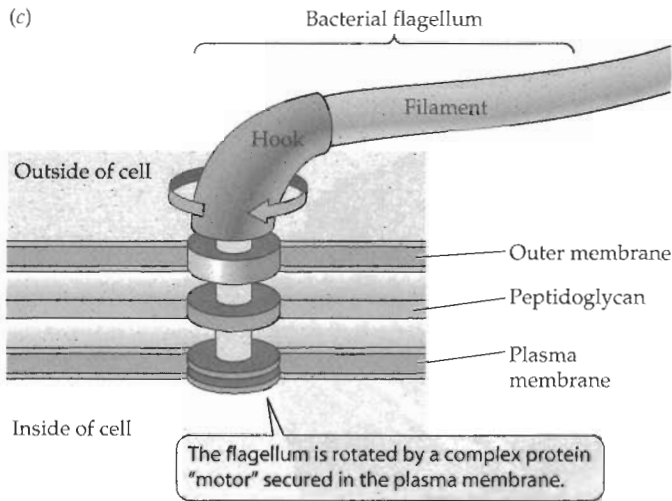
4.2 The Scale of Life (Page 63)



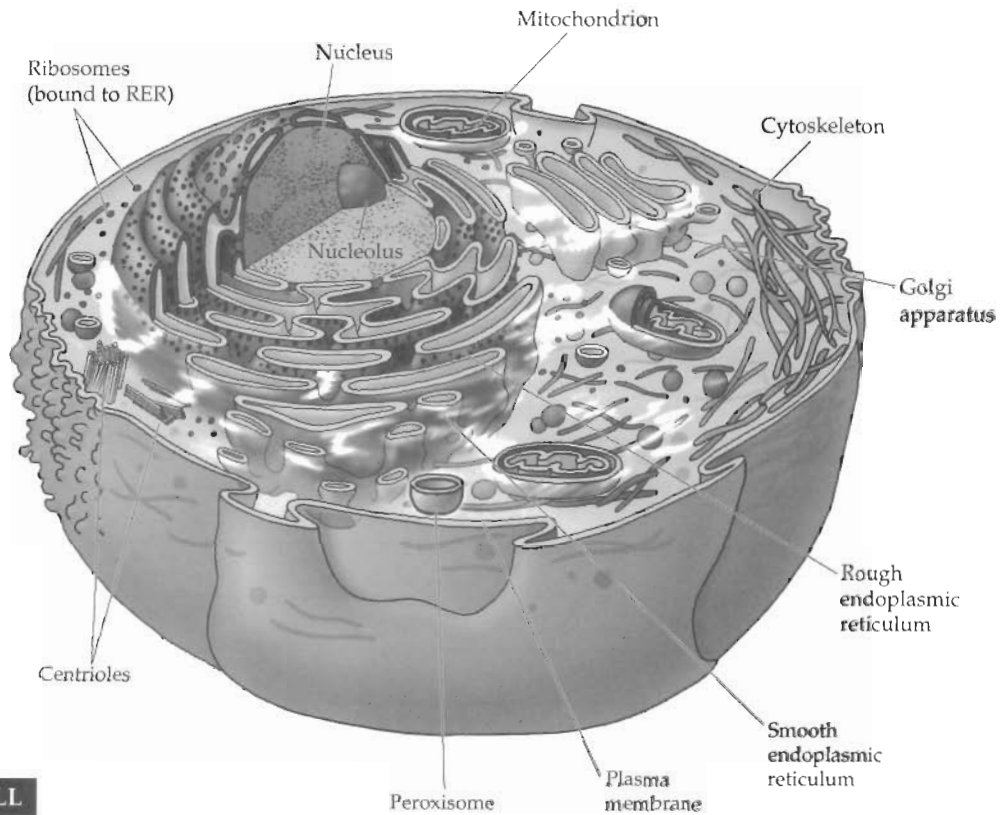
4.3 Why Cells Are Small (Page 63)



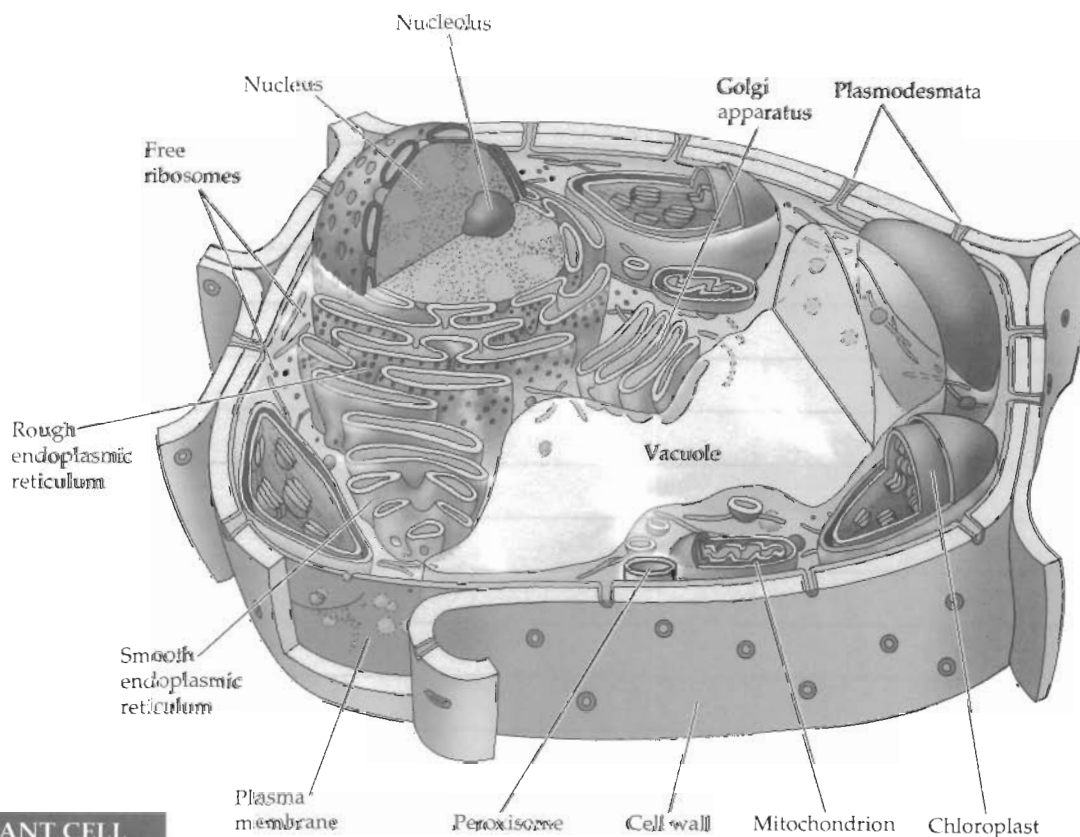
4.5 A Prokaryotic Cell (Page 66)



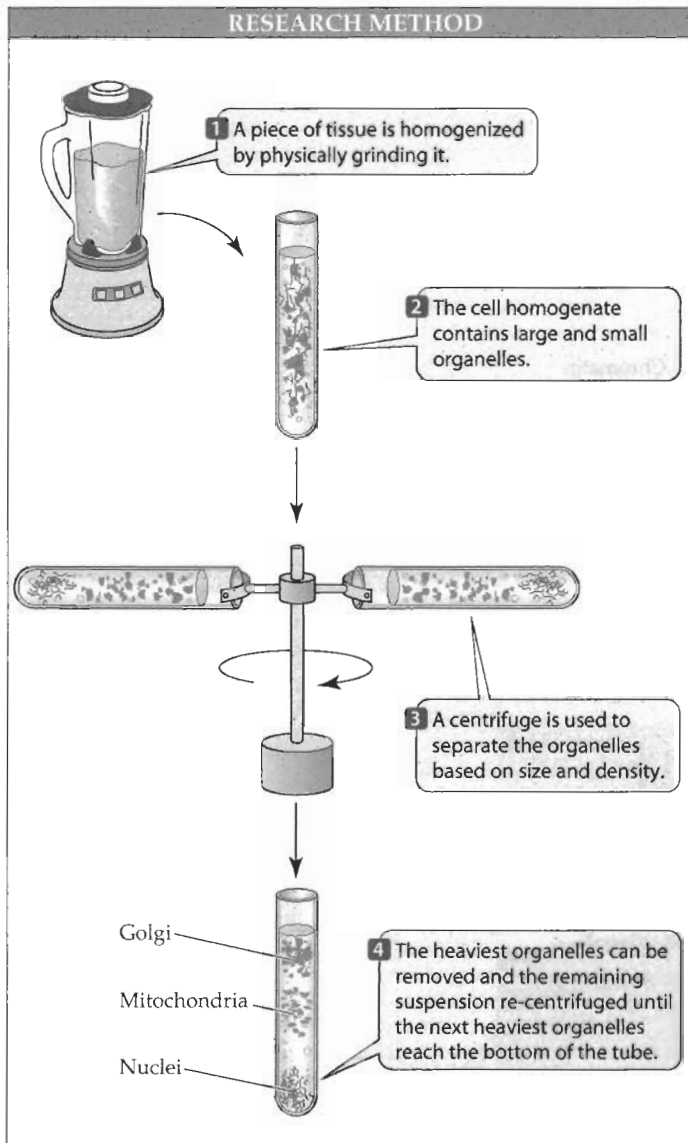
4.6 Prokaryotic Projections (Page 67)



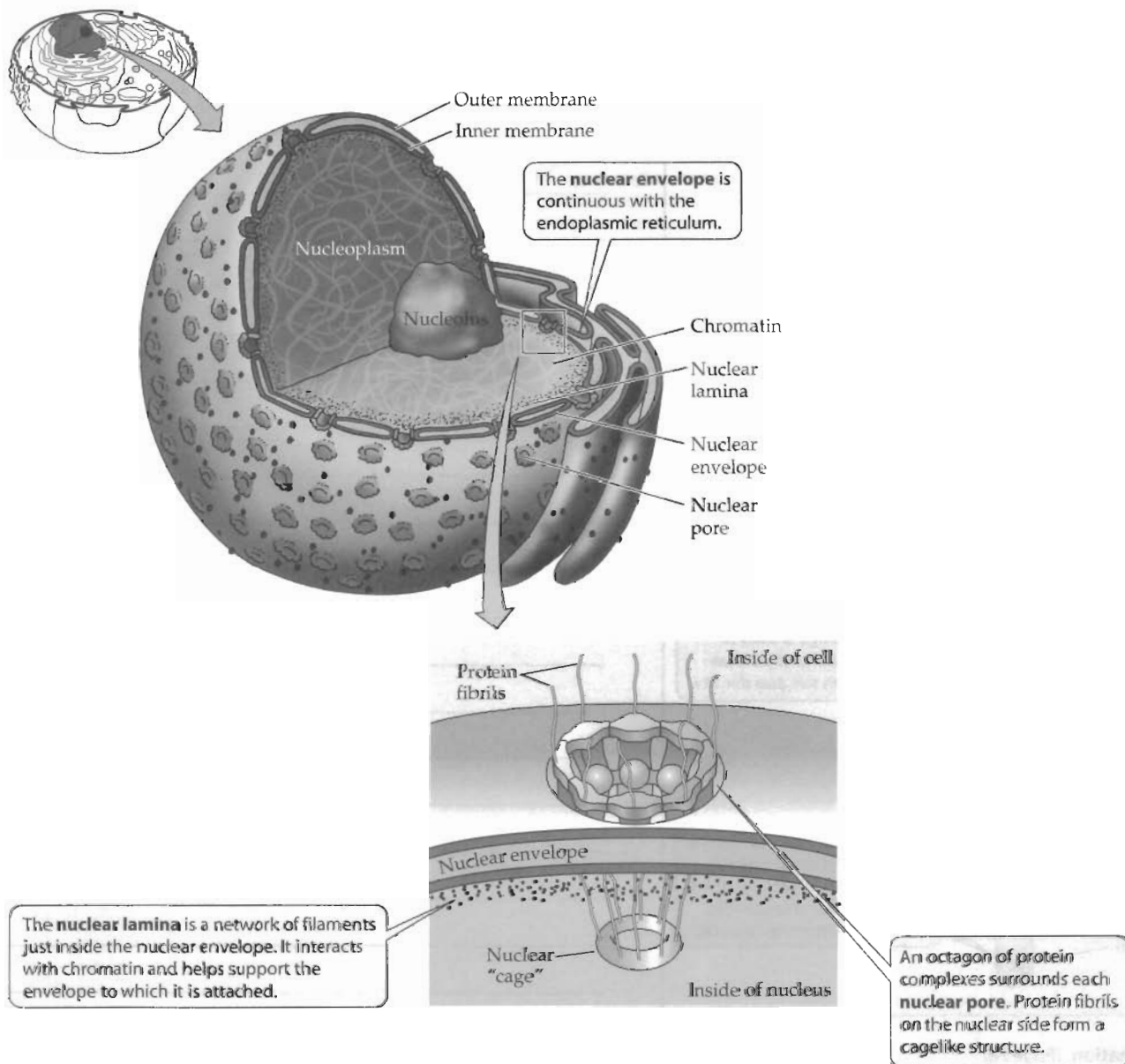
AN ANIMAL CELL



A PLANT CELL

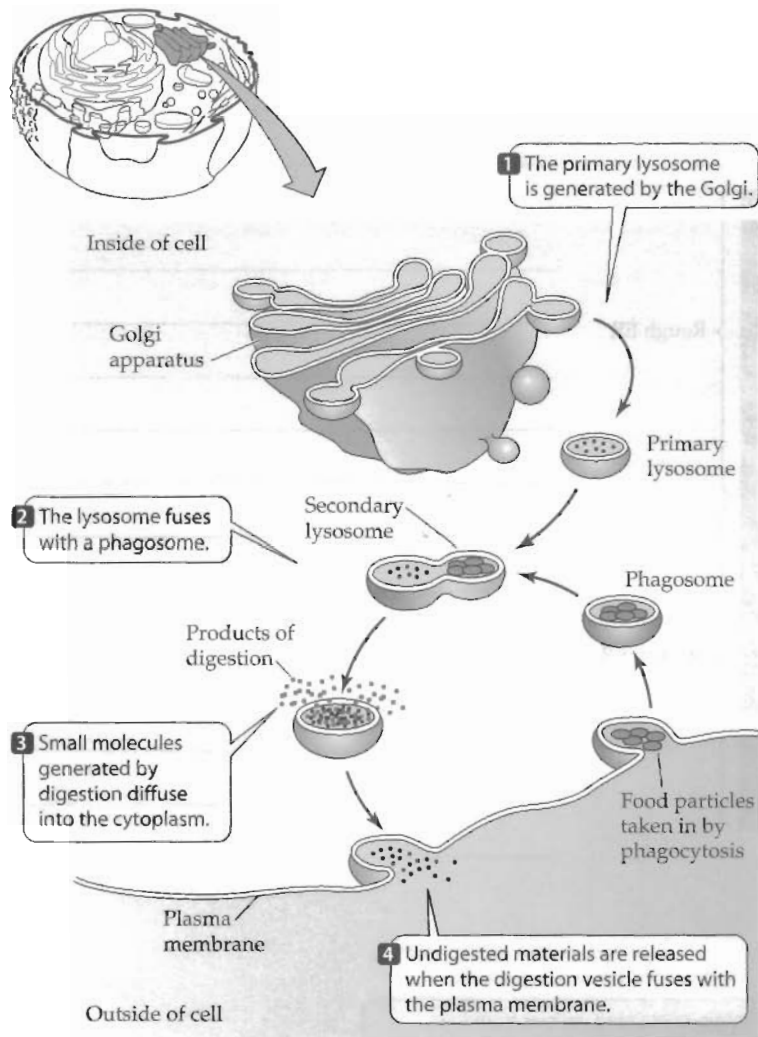


4.8 Cell Fractionation (Page 70)

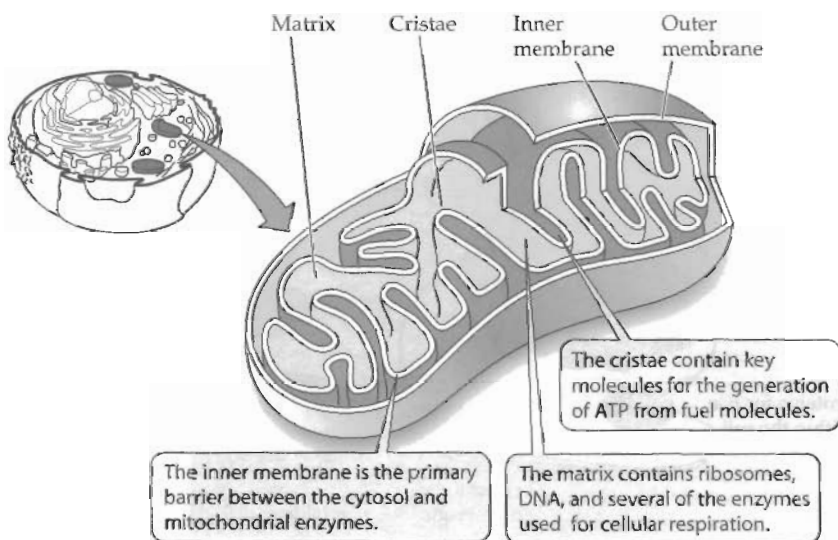


4.9 The Nucleus Is Enclosed by a Double Membrane (Page 71)

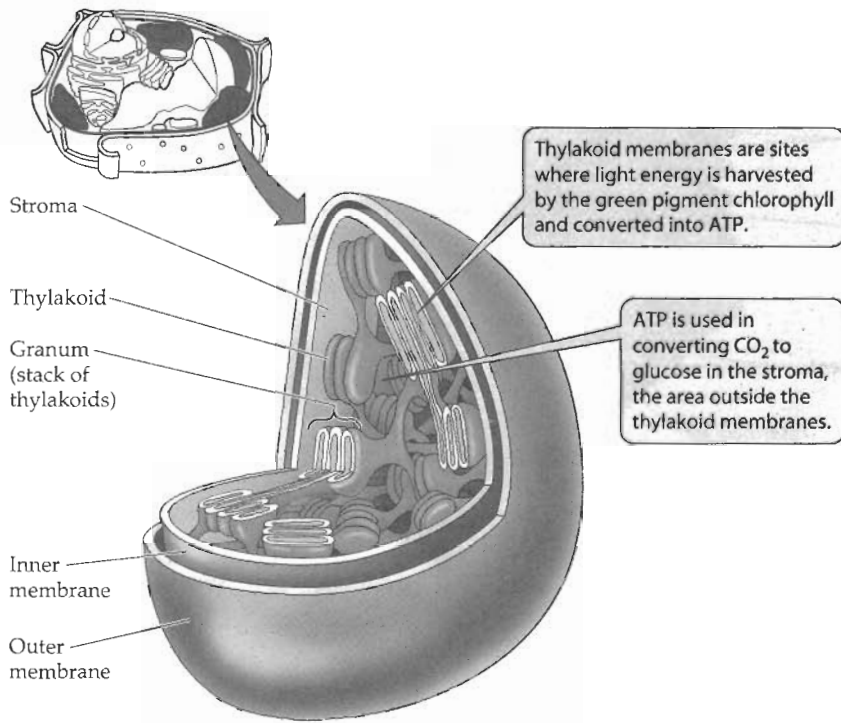
[illegible]



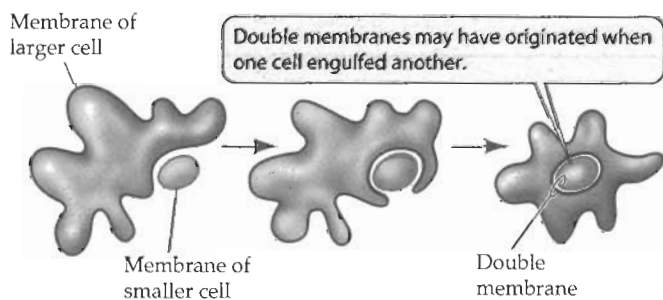
4.13 Lysosomes Isolate Digestive Enzymes from the Cytoplasm (Page 74)



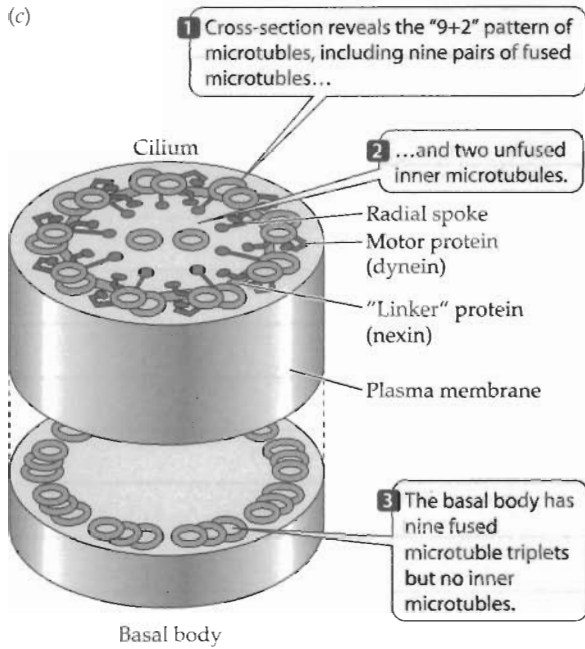
4.14 A Mitochondrion Converts Energy from Fuel Molecules into ATP (Page 75)



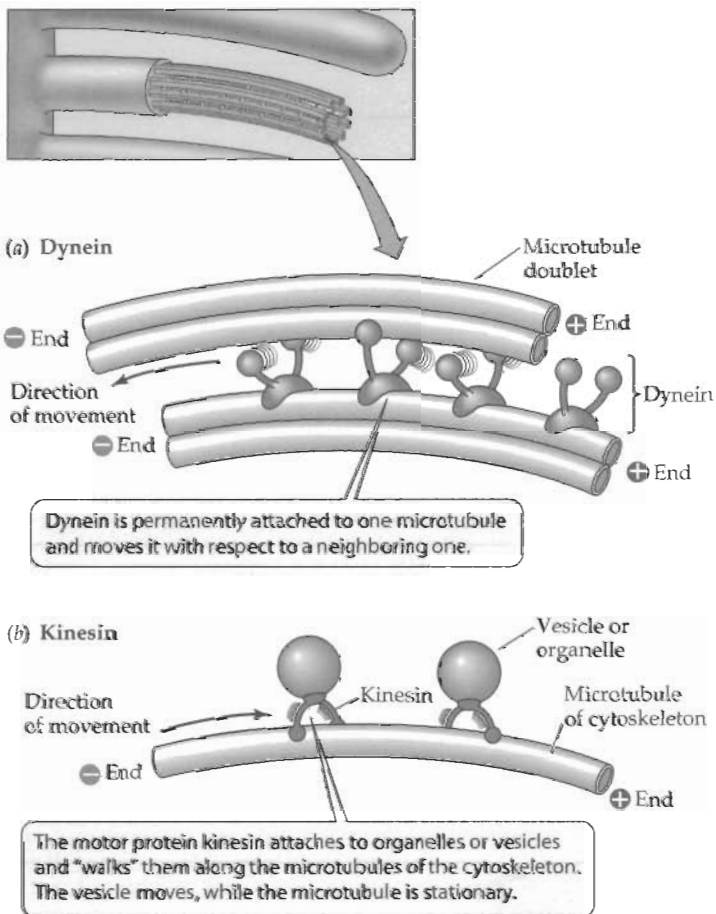
4.15 The Chloroplast: The Organelle That Feeds the World (Page 76)



4.18 The Endosymbiosis Theory (Page 78)

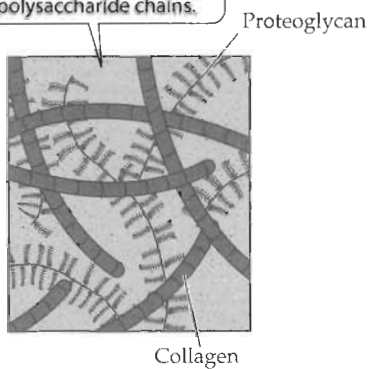


4.23 Cilia are Made up of Microtubules (Page 82)

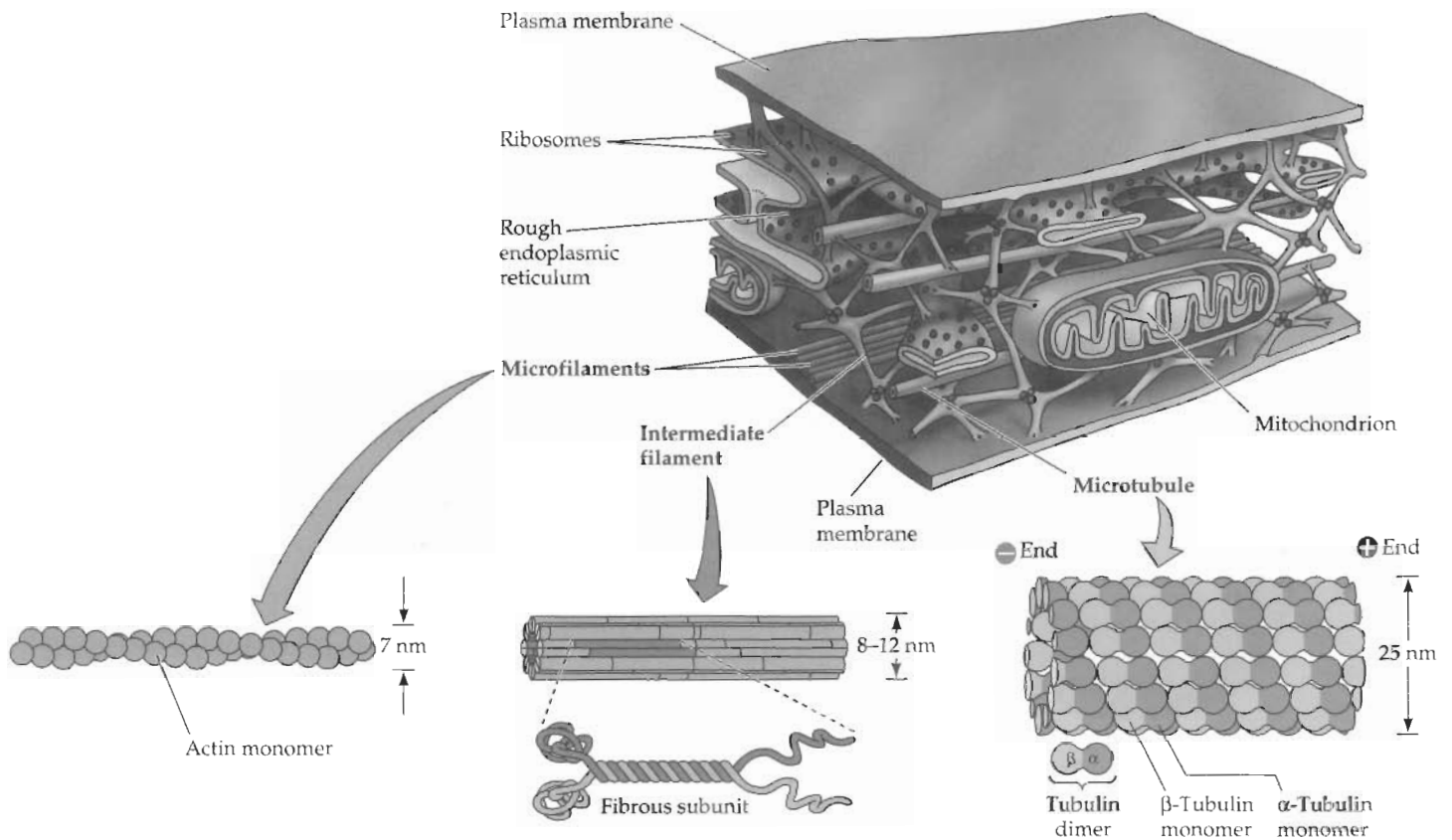


4.24 Motor Proteins Use Energy from ATP to Move Things (Page 83)

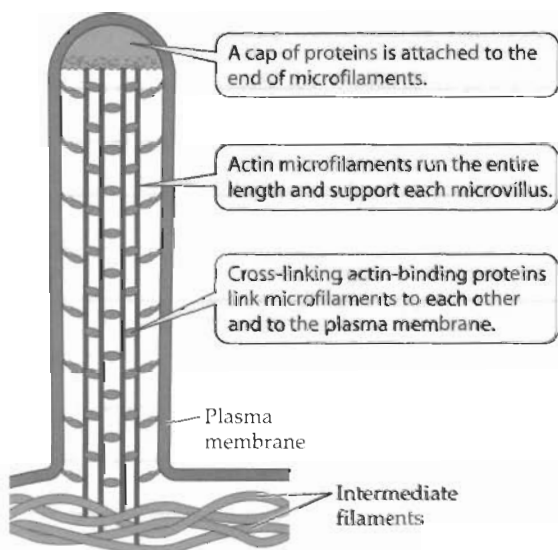
The ECM is composed of a tangled complex of enormous molecules made of proteins and long polysaccharide chains.



4.26 An Extracellular Matrix (Page 84)



4.21 The Cytoskeleton (Page 80)



4.22 Microfilaments for Support (Page 81)