**CELLS**

**Chapter 3**

1. **Cell Shapes**
   1. **Squamous**
   2. **Cuboidal**
   3. **Columnar**
2. **Basic Components of a Cell**
3. **Cytoplasm**
4. **Cytosol**
5. **Cytoskeleton**
6. **Organelles**
7. **Plasma Membrane**
8. **The Cell Surface**
9. **Plasma Membrane**
10. **Membrane Lipids**
    1. **Phospholipid bilayer**
    2. **Cholesterol**
    3. **Glycolipids**
11. **Membrane Proteins**
    1. **Functions**
12. **Surface Extensions**
13. **Microvilli**
14. **Cilia**
15. **Flagella**
16. **Membrane Transport**
17. **Mechanisms**
18. **Filtration**
19. **Simple Diffusion**
20. **Osmosis**
21. **Carrier-Mediated Transport**
    1. **Facilitated Diffusion**
    2. **Active Transport**
22. **Vesicular Transport**
23. **Endocytosis**
24. **Exocytosis**
25. **Organelles**
    1. **Nucleus**
    2. **Endoplasmic Reticulum**
       1. **Rough**
       2. **Smooth**
    3. **Ribosomes**
    4. **Golgi Complex**
    5. **Lysosomes**
    6. **Peroxisomes**
    7. **Mitochondria**
    8. **Centrioles**