

Module 2 – L02

Cell Junctions Types

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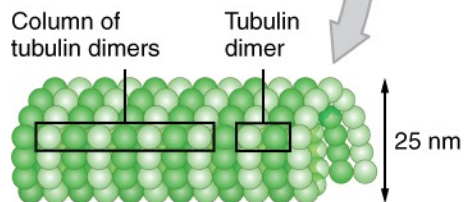
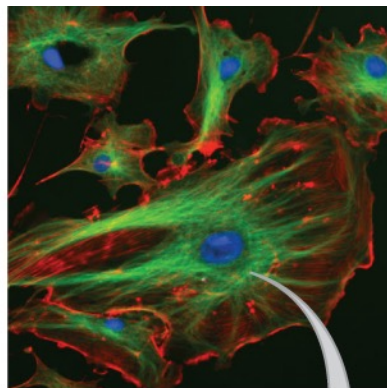
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2. Types of Cell Junctions

- A. Tight junctions
- B. Anchoring junctions
 - Desmosomes
 - Hemidesmosomes
 - Adherens junctions
- C. Gap junctions

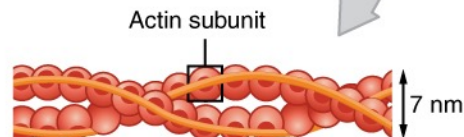
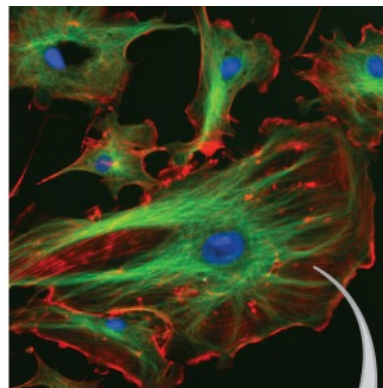
Cytoskeleton Components

Microtubules



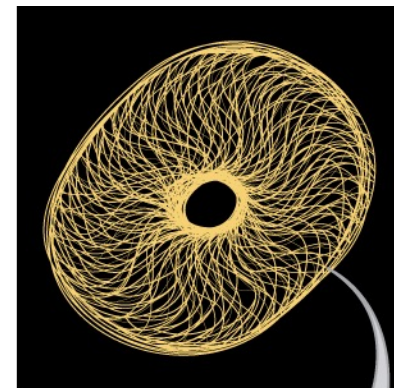
(a)

Microfilaments



(b)

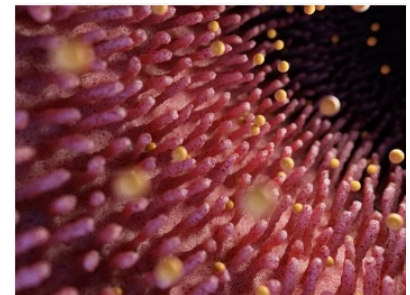
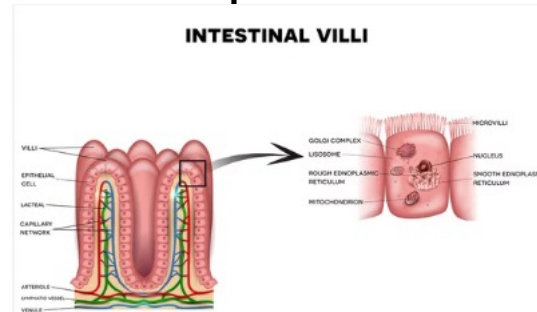
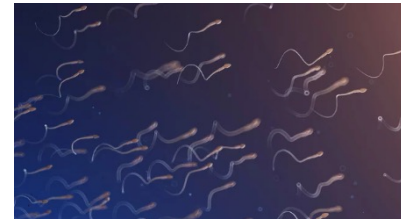
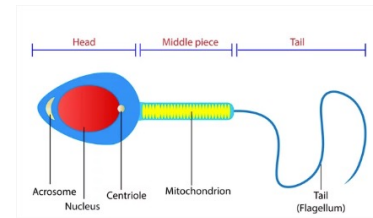
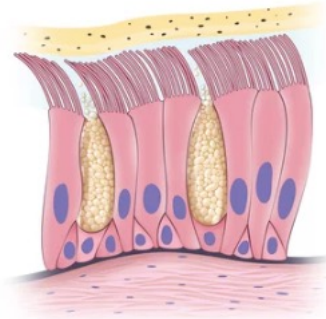
Intermediate Filaments



(c)

Plasma Membrane Extensions

- Cilia
 - Formed by microtubules
 - Move materials over cell surface
- Flagellum
 - Formed by microtubules
 - In humans, propels spermatozoa
- Microvilli
 - Formed by microfilaments
 - Increase surface area for absorption and secretion



Cell Junctions

