

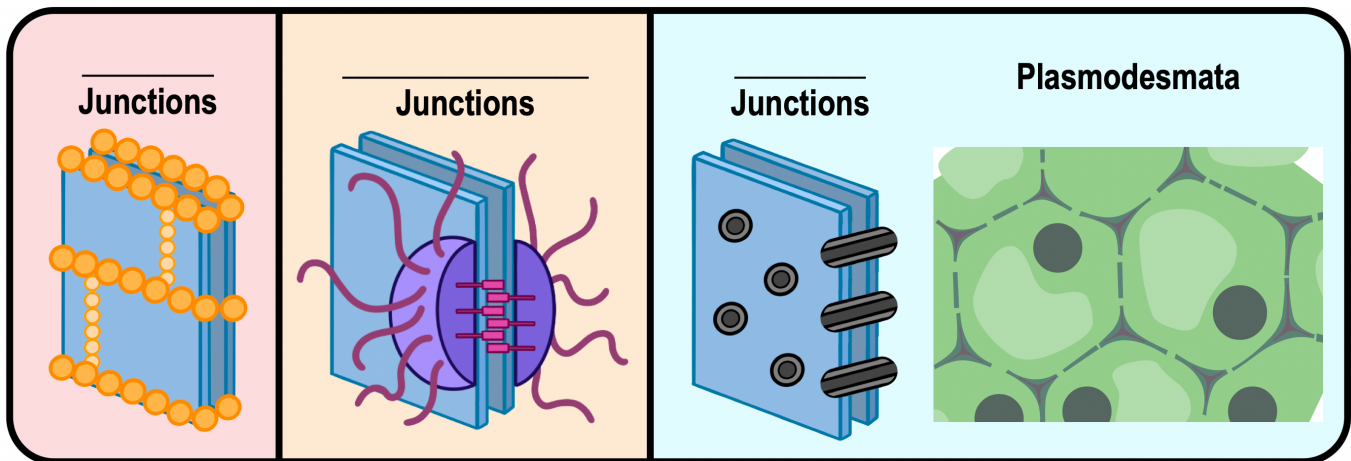
CONCEPT: CELL JUNCTIONS

● Neighboring cells of eukaryotic organisms are able to directly _____ with one another at **cell junctions**.

□ _____ types of cell junctions that link adjacent cells together:

Junction Type	Description
Tight	Membrane protein that links cells creating a _____-proof barrier.
_____ (Desmosomes)	Intermediate filaments that <i>anchor</i> neighboring cells together.
Gap	Protein channels that connect the _____ of two <i>animal</i> cells.
Plasmodesmata	Gaps in the cell walls that connect the cytoplasm of two _____ cells.

} Animal Cells



PRACTICE: Which of the following are only in plant cells and not in animal cells?

- a) Gap junctions.
- b) Desmosomes.
- c) Plasmodesmata.
- d) Tight junctions.

PRACTICE: Ions can travel directly from the cytoplasm of one animal cell to the cytoplasm of an adjacent cell through:

- a) Gap junctions.
- b) Desmosomes.
- c) Tight junctions.
- d) Intermediate filaments.
- e) Plasmodesmata.
- f) Actin filaments.