

# Chap 7: Membrane structure and Transport

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**Diagram** and **Explain** what are plasma/cell membranes made of.

**Explain** the fluid mosaic model.

**Explain** the function of cholesterol in plasma membranes, include a **Diagram** of cholesterol in a phospholipid bilayer.

**Explain** the difference between *integral proteins* and *peripheral proteins*.

**List** and **Describe** the six functions of membrane proteins.

**Explain** the purpose of *glycolipids* and *glycoproteins*.

**Explain** the function of transport proteins.

**Define** *diffusion*, then **Describe** the movement of molecules during diffusion.

**Define** *concentration gradient*.

**Differentiate** between *passive transport* and *active transport*?

**Define** *facilitated diffusion* and *osmosis*, then explain their connection.

**Define** and **Differentiate** between *hypotonic*, *isotonic* and *hypertonic* solutions.

**Define** *active transport* and **Explain** what is required for this type of cellular movement.

**Explain** the purpose of a proton pump.

**Define** and **Differentiate** between *endocytosis* and *exocytosis*.

**Differentiate** between *phagocytosis*, *pinocytosis* and *receptor mediated endocytosis*.