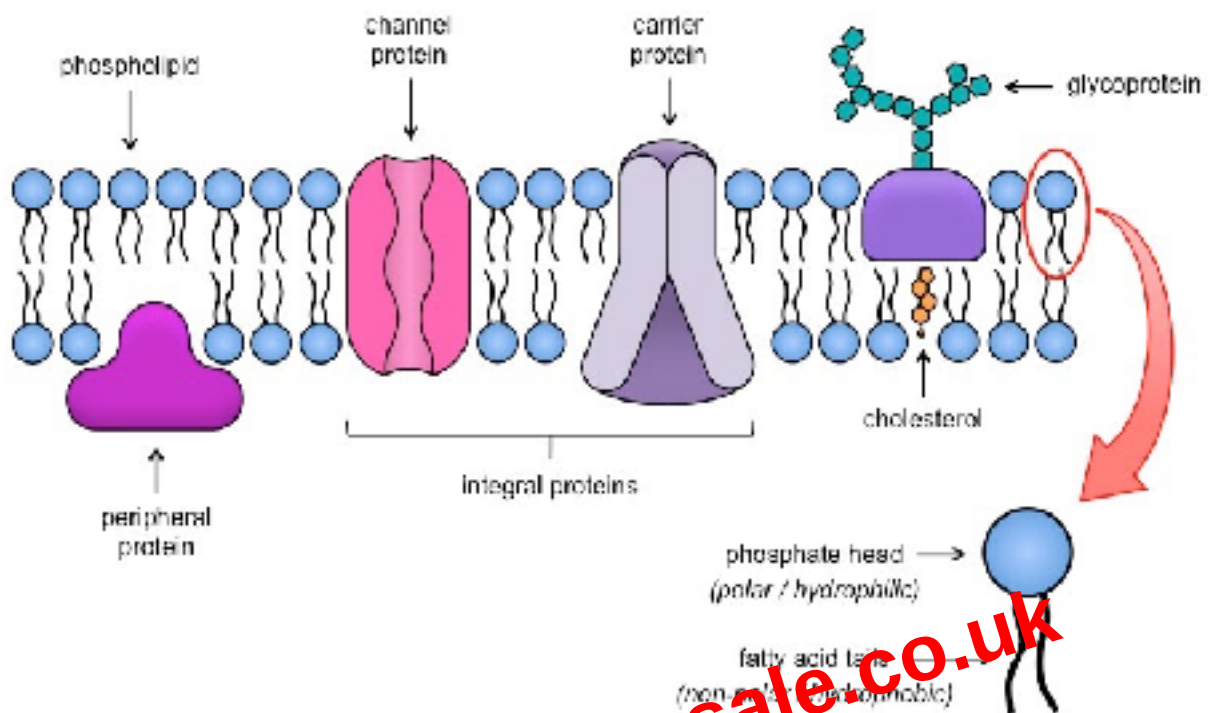


Structure of the Plasma Membrane (Fluid-Mosaic)



BIOLOGY TOPIC 1.4 MEMBRANE TRANSPORT

Understandings:

Particles move across membranes by simple diffusion, facilitated diffusion, osmosis and active transport

Active transport involves the movement of materials against a concentration gradient. (Low concentration to high concentration) Two main types:

Primary active transport, Secondary indirect active transport.

Passive transport involves the movement of material along a concentration gradient (high concentration to low concentration) 3 Main types:

Simple diffusion, mov. Of small molecules.

Osmosis: mov. Of water molecules

Facilitated diffusion: mov. Of large or charged molecules via membrane proteins.