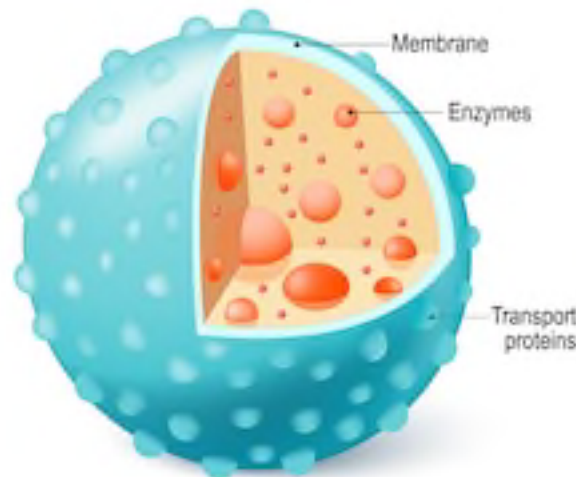


ex : the head of the sperm the acrosome , contains lysosomes to digest the path o the ovum



Mitochondrion

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- This structure is visible through the electron microscope.
- This is usually about 1 μm .
- This is a double membraned structure .
- The inner membrane contains finger like foldings called cristea which projects the matrix.
- The space between the two membranes is called intermembrane space .
- The outer membrane transports a protein called porin .
- The inner membrane is highly selectively permeable .
- Mitochondria is responsible for aerobic respiration and in organs which require higher energy more mitochondria is present according to the requirement .

- **Eukaryotes :**

- Contains nuclei
- DNA present within nuclei
- Eukaryotes include animals , plants , fungi , and protists .
- 10 - 100 μm in diameter
- Membrane bounded nucleus .
- Linear DNA associated with protein forming chromosomes .

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