

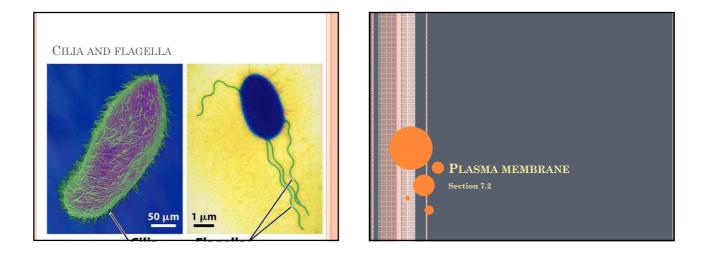
CILIA AND FLAGELLA

o Cilia

- short
- Lots of projections from the cell membrane
- Look like hairs
- Maybe be used for motion or found on immobile cells

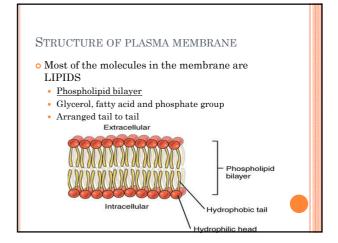
o Flagella

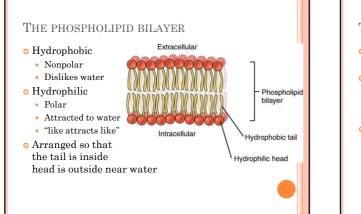
- Long
- Less numerousLook like tails
- Whiplike motion
- Used for motion



FUNCTION OF PLASMA MEMBRANE

• Responsible for maintaining 0, homeostasis CO2 • Allows nutrients in and out of the cell H₂O • ALL CELLS HAVE A PLASMA MEMBRANE! Amino acids Proteins • Its is <u>selectively</u> <u>permeable</u> Carbohydrates Allows some things through but not everything lons





THE PHOSPHOLIPID BILAYER

- The bilayer lets non-water soluble things through easily because of the structure
- Contains cholesterol, proteins and carbohydrates
 Proteins transmit signals into the cell, anchor the shape
 - Create channels for particles to enter and exit

• Fluid mosaic model

• The bilayer is a "sea" for other molecules