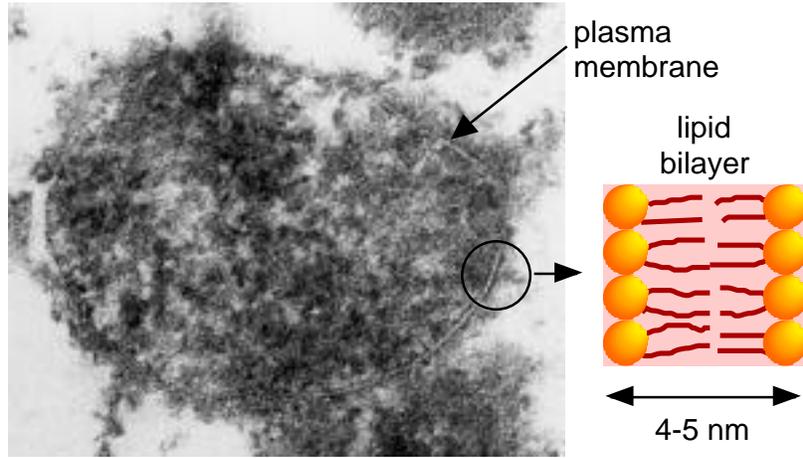


CONSTRUCTION AT THE FRINGE

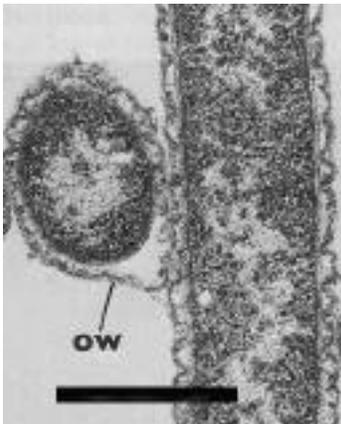
MYCOPLASMA

SMALL CELL WITH NO WALL



(FROM TERRY BEVERIDGE)

THERMOPHILES



THERMUS AQUATICUS

LONGITUDINAL AND
TRANSVERSE SECTIONS
(BAR = 0.5 μm)

(FROM BROCK AND EDWARDS)

UPPER TEMPERATURE LIMITS

CYANOBACTERIA 70 - 73 $^{\circ}\text{C}$

METHANOGENS > 100 $^{\circ}\text{C}$

EXTREME THERMOPHILES > 100 $^{\circ}\text{C}$

(HOT SPRINGS, HOT WATER TANKS)

CONSTRUCTION: LIPIDS WITH HIGH MELTING POINTS (FULLY SATURATED, EVEN NUMBER OF CARBONS)