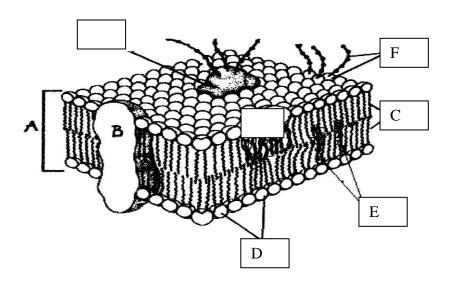
NA	ME	DATE	PERIO	D	_			
	Cell	Membrar	ne Workshee	<b>:</b> †				
A. Composition of the Cell Membrane & Functions								
	<u>Word bank:</u> bilayer Plasma fa			control tails	P freely			
of the hyd The cha other	The function of the cell menotective_layer around the cell the cell. The cell menote cell. The cell menote cell menote cell. The cell menote cell menote cell. The cell menote	I and toa  phospholip  nead and  e of an alcoh  pholipids can  s through in  pid coloring	control the passion that the passion is a control two hydrophobics andP grand movefreely to or out of the control the heads red and the control is a control is a control is a control in the control in the control is a control in the contro	The phosph (water repeloup, while the call of the tails but the tails but the tails but the call of the tails but	rerials in and out nolipids have a lling) _tails he tails are water and			
	Non-polar, hydrophobic, fatt tail	PHOSPH ty acid	Polar, hydro	philic head				
<u>Wo</u>	ord bank: intracellular protein	lipids s ch	cholestero annel me	l recepto mbrane	ors pump			
aid way Mer like Son	Another type of lipid in the mbrane more fluid. Embedded in diffusion and in cell recognity through the bilayer, while mbrane proteins are also called e lipids or carbohyd me of the membrane proteins he cognize each other and certain in	in the phosp tion. Protein intracellu I protein _ch Irates use pi ave carbohy	pholipid bilayer and sealledmetar proteins and	reprote embrane p are only on o pump L ove across c	ins that also roteins go all the ne side. Large molecules ell membranes.			

B. Correctly identify the structure of the labelled letters. Color each part of the

cell membrane.

Letter	Name/Color	Letter	Name/Color
A_	Phospholipid bilayer (no	D	Phosphate heads
	color)		(yellow)
B	Membrane protein (pink)	E	Cholesterol (blue)
C	Fatty acid tails (orange)	F_	Carbohydrate chains



*C. Match* the cell membrane structure or its function with the correct letter from the cell membrane diagram.

Letter	Structure/Function	Letter	Structure/Function			
D	Attracts water	c_	Repels water			
E_	Helps maintain flexibility of membrane	_A	Make up the bilayer			
B	Involved in cell-to-cell recognition and help transport certain materials across the cell membrane					

## D. Draw the structure of the cell membrane and then label:

Phospholipid bilayer, protein channel, protein pump, cholesterol, carbohydrate chains, nucleus, mitochondrion (just one)

\*check with answers in class\*