

QUESTION 13

Which of the following is NOT a function of the cell membrane?

The diagram illustrates the structure of a cell membrane, showing various components and their functions. The components are labeled as follows:

- A:** Phospholipid bilayer
- B:** Hydrophilic head
- C:** Hydrophobic tail
- D:** Integral protein
- E:** Peripheral protein
- F:** Glycocalyx
- G:** Carbohydrate chain
- H:** Channel protein
- I:** Carrier protein
- J:** Receptor protein

The diagram shows a cross-section of a cell membrane. The phospholipid bilayer is composed of hydrophilic heads (B) and hydrophobic tails (C). Integral proteins (D) are embedded in the bilayer, while peripheral proteins (E) are attached to the surface. Glycocalyx (F) is a layer of carbohydrate chains (G) on the outer surface. Channel proteins (H) and carrier proteins (I) facilitate transport across the membrane. Receptor proteins (J) are involved in signal transduction. A scale bar at the bottom right indicates 1 micrometer.