

CELL BIOLOGY LECTURE 3 QUESTIONS

QUESTION 1: WHERE ARE PERIPHERAL PROTEINS LOCATED?

- a) On the extracellular side only
- b) On the cytoplasmic side only
- c) Mainly on the cytoplasmic side

QUESTION 2: ALL OF THE FOLLOWING ARE FUNCTIONS OF THE GLYCOCALYX EXCEPT?

- a) Protection
- b) Adhesion
- c) Receptors
- d) Lipid synthesis

QUESTION 3: THE PROCESS BY WHICH WHITE BLOOD CELL ENGULFS BACTERIA?

- a) Phagocytosis
- b) Pinocytosis
- c) Transcytosis

QUESTION 4: WHAT IS THE DIFFERENCE BETWEEN CILLIA AND FLAGELLA?

- a) Width and number
- b) Width and length
- c) Length and number
- d) Length alone

QUESTION 5: WHICH OF THE FOLLOWING IS MATCHED CORRECTLY?

- a) Facilitated diffusion = non-polar molecules
- b) Facilitated diffusion = polar molecules
- c) Pinocytosis = solid material
- d) Exocytosis = entrance of substance into cell

QUESTION 6: WHICH MOLECULES CAN GET THROUGH THE LIPID BILAYER DIRECTLY?

- a) NH₃
- b) CO₂ and O₂
- c) Amino acids
- d) Sugar

QUESTION 7: WHICH OF THESE TRANSPORT MECHANISMS MOVES SUBSTANCES OUTSIDE THE CELL?

- a) Simple diffusion
- b) Exocytosis
- c) Phagocytosis

QUESTION 8: WHICH OF THE FOLLOWING ISN'T EMBEDDED INTO LIPID BILAYER?

- a) Peripheral protein
- b) Integral protein
- a) Lipids