

## SUMMARY QUESTIONS

1. What are the functions of the cell membrane?

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2. The cell membrane is often described as a bilayer. Explain this term. What two layers make up the cell membrane?

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3. Where are proteins found in the cell membrane?

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4. Explain why the cell membrane is described as a Fluid Mosaic Model.

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5. Give an example of a molecule that is unable to pass through the cell membrane. Explain why.

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6. Explain the function of a transport protein.

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7. Explain the commonalities and difference between active transport and facilitated diffusion and give an example of each.

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8. Some of the proteins on the surface of the cell are known as receptor proteins because they receive messages from outside the cell. Draw a diagram to show a receptor protein and the signal molecule it receives. (Remember the importance of shape in biology.)

9. What is one possible message that one cell might send to another cell?

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10. What is the function of cholesterol in the cell membrane?

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