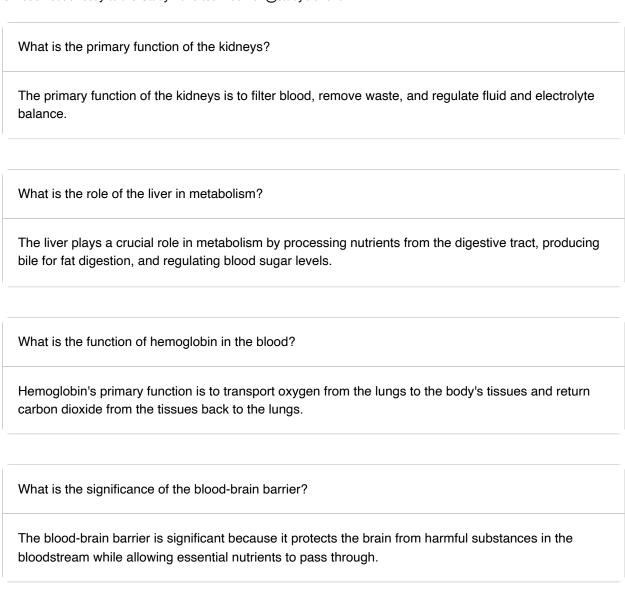


## MCAT AAMC Flashcards PDF

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| What are the main components of the cell membrane?                                                                                                                                  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| The main components of the cell membrane are phospholipids, cholesterol, and proteins.                                                                                              |
|                                                                                                                                                                                     |
| What is the process of photosynthesis?                                                                                                                                              |
| Photosynthesis is the process by which green plants, algae, and some bacteria convert light energy into chemical energy in the form of glucose, using carbon dioxide and water.     |
|                                                                                                                                                                                     |
| What is the function of enzymes in biological reactions?                                                                                                                            |
| Enzymes act as catalysts in biological reactions, speeding up the reaction rate without being consumed in the process.                                                              |
|                                                                                                                                                                                     |
| What is the role of DNA in cells?                                                                                                                                                   |
| DNA carries the genetic information necessary for the growth, development, functioning, and reproduction of all living organisms.                                                   |
|                                                                                                                                                                                     |
| What is the difference between mitosis and meiosis?                                                                                                                                 |
| The main difference is that mitosis results in two identical daughter cells for growth and repair, while meiosis produces four genetically diverse gametes for sexual reproduction. |
|                                                                                                                                                                                     |



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| What is the function of the immune system?                                                                   |  |
|--------------------------------------------------------------------------------------------------------------|--|
| The immune system protects the body against infections and diseases by identifying and destroying pathogens. |  |