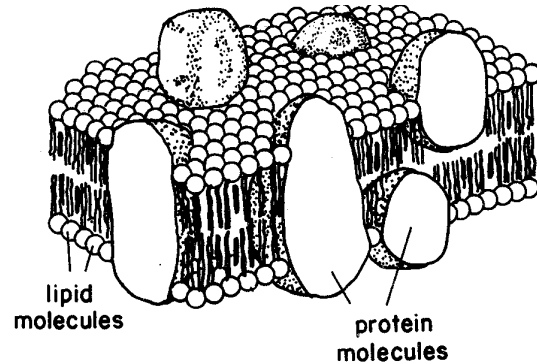


- Antibody molecules and receptor molecules are similar in that they both
  - control transport through the cell membrane
  - have a specific shape related to their specific function
  - remove wastes from the body
  - speed up chemical reactions in cells
- Which structures are found in every living cell?
  - a plasma membrane and cytoplasm
  - chloroplasts and mitochondria
  - a cell wall and nucleus
  - centrioles and chromosomes
- What determines the ability of certain hormones to attach to a cell?
  - receptor molecules in the cell membrane
  - proteins in the cytoplasm of the cell
  - amount of DNA in the cell
  - concentration of salts outside the cell
- State *one* reason why some molecules can pass through a certain membrane, but other molecules can *not*.
- The net flow of materials through the membrane of a cell against a concentration gradient is known as
  - active transport
  - passive transport
  - circulation
  - transpiration
- The process of active transport requires the most direct use of
  - carbon dioxide
  - amino acids
  - ATP
  - glucose

- Base your answer to the following question on Which cellular organelle is represented by the diagram below?



- cell wall
  - molecules
  - phospholipid bilayer
  - protein
- Which structures carry out life functions within cells?
    - tissues
    - organ systems
    - organelles
    - organs