

Which of these statements regarding the carrier proteins involved in passive transport in animal cells is NOT correct?

- A The proteins span the membrane—they reach from one side to the other.
- B Each protein is highly selective—binding only one substance, or a few related substances.
- C The proteins can change shape.
- D The proteins permit only one-way movement of substances across a membrane.

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Transport proteins span the membrane, bind only selected substances, change shape when those substances bind, and permit movement of substances in BOTH directions.

Answer **D**.