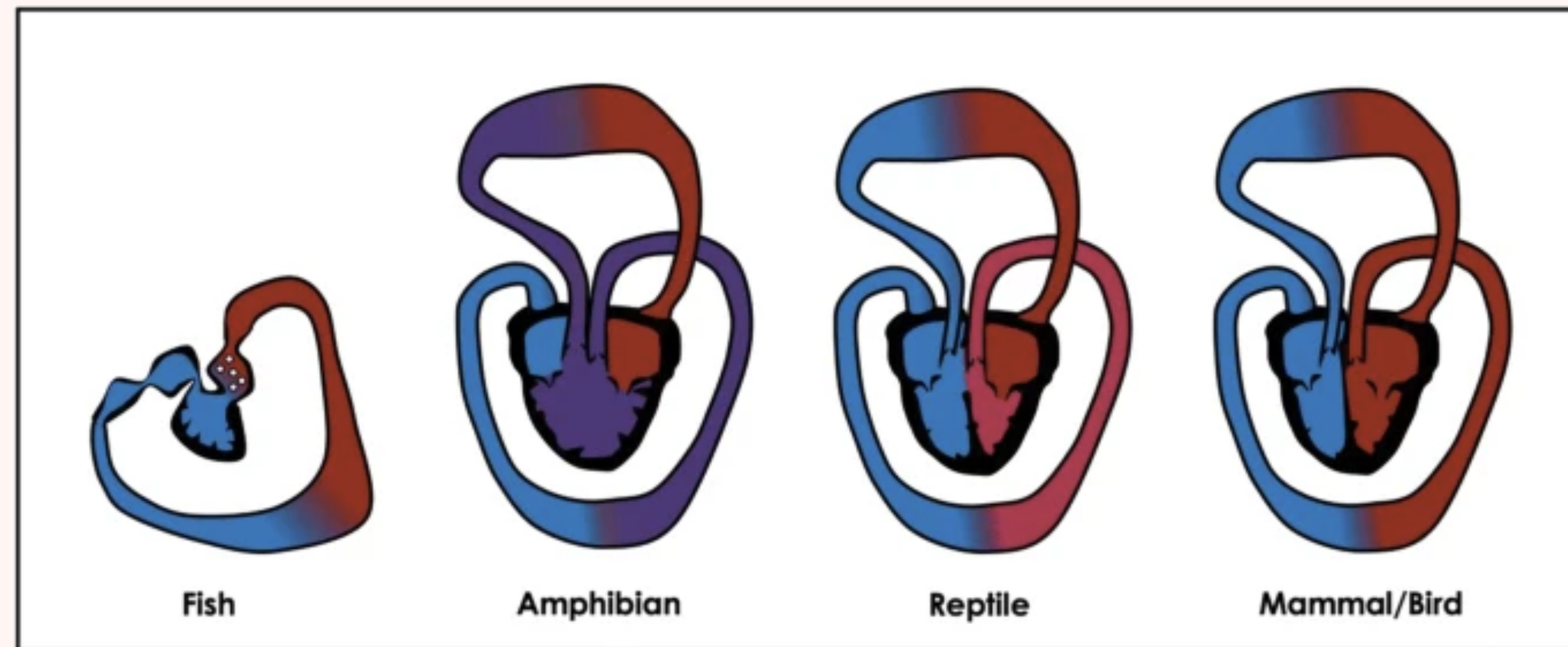


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- open vs closed system of diffusion
 - complete separation of pulmonary and systemic circulation



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- this pattern of progression throughout species is mirrored through the embryological development of the heart in the human foetus

