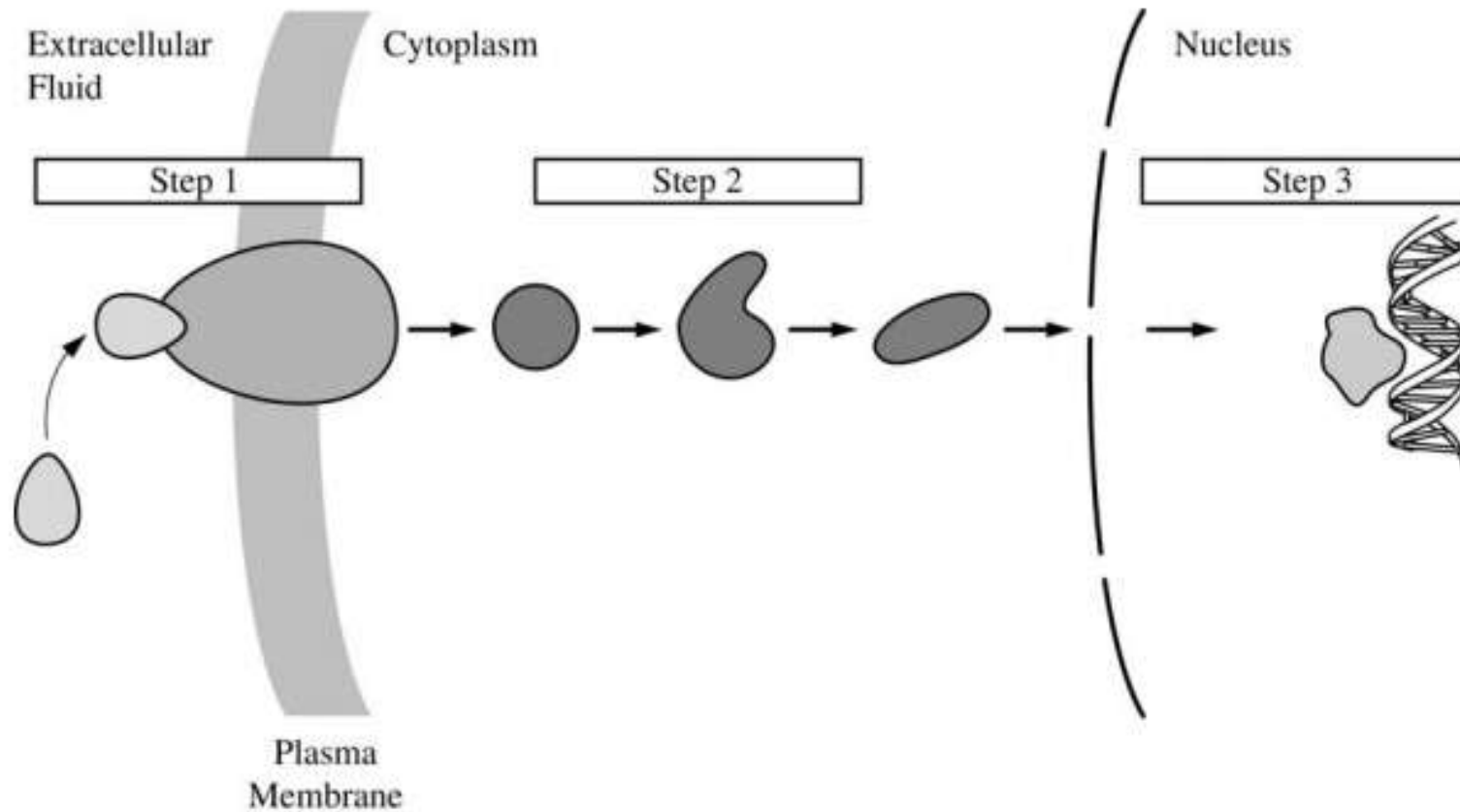


BILL CHECK

2013 FRQ
Q8

http://apcentral.collegeboard.com/apc/members/exam/exam_information/1996.html



The figure above represents a generalized hormone-signaling pathway. Briefly EXPLAIN the role of each numbered step in regulating target gene expression.

1 POINT EACH

Step 1 = hormone/ligand binding to receptor to initiate/trigger/induce signaling OR signal reception

Step 2 = an intracellular cascade that transduces/amplifies/transfers the signal from plasma membrane to nucleus (or other cellular effectors)

Step 3 = transcription/expression of target genes is stimulated/repressed