

1. Explain what scientists mean by the word theory. Explain how the theory of evolution meets scientists' criteria for a scientific theory. (4 points)

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Theory: many principles combined to determine an overarching theory that has multiple types of evidence supporting the idea, and it is accepted by the scientific community.

Theory of evolution has multiple types of evidence:

- observational - study of fossils, changes in organisms'
- experimental - gaps in *Furcula*
- computer simulation - devel. of eye -
- comparative morphology of octopus + human eyes

2. Match each item in the top list with the best match from the bottom list.

(4)