

QUIZ - EVOLUTION

Name the order of the evolutionary eras from earliest to latest.

Precambrian – Paleozoic – Mesozoic – Cenozoic.

What was the longest evolutionary era? **Paleozoic**

Name 2 characteristics of the evolution of fish to amphibians. **Fins strong enough to support, lungs for breathing, skin, etc**

List the order of vertebrate evolution. **Fish – amphibian – reptile – birds and mammals.**

What 2 characteristics would amphibians have to change to evolve into reptiles? **Lay eggs away from water, skin, heart, and partially divided ventricle.**

Why would there be no fossils found from before vertebrate evolution? **Soft-bodied organisms decay easier, no hard parts to fossilize.**

Name 4 characteristics of the evolution from reptiles to birds. **Lose teeth, wings, feathers, lighter bones, and beaks.**

Name 2 characteristics for the evolution of reptiles to mammals. **Live birth, 4 chambered heart, and skin/fur.**

In what era were the dinosaurs abundant? **Jurassic – Mesozoic**

Give the example of homologous structures. **Pentadactyl limb.**

What characteristic of the pentadactyl limb is similar across organisms? **Humerous, ulna, radius, carpal, metacarpals – 5 digit.**

Give your own definition for homologous structures. **Structures similar in origin and structure. They evolve to fit the animal's way of life.**

Define analogous structure using an example. **Structure in different organisms that serve the same function. They show no evolutionary relationship between organisms.**

Define comparative embryology. **The study of the development of different organisms.**

Name the order in which plants evolved. **Algae – primitive bryophyte – pteridophyta – gymnosperms – angiosperms.**