

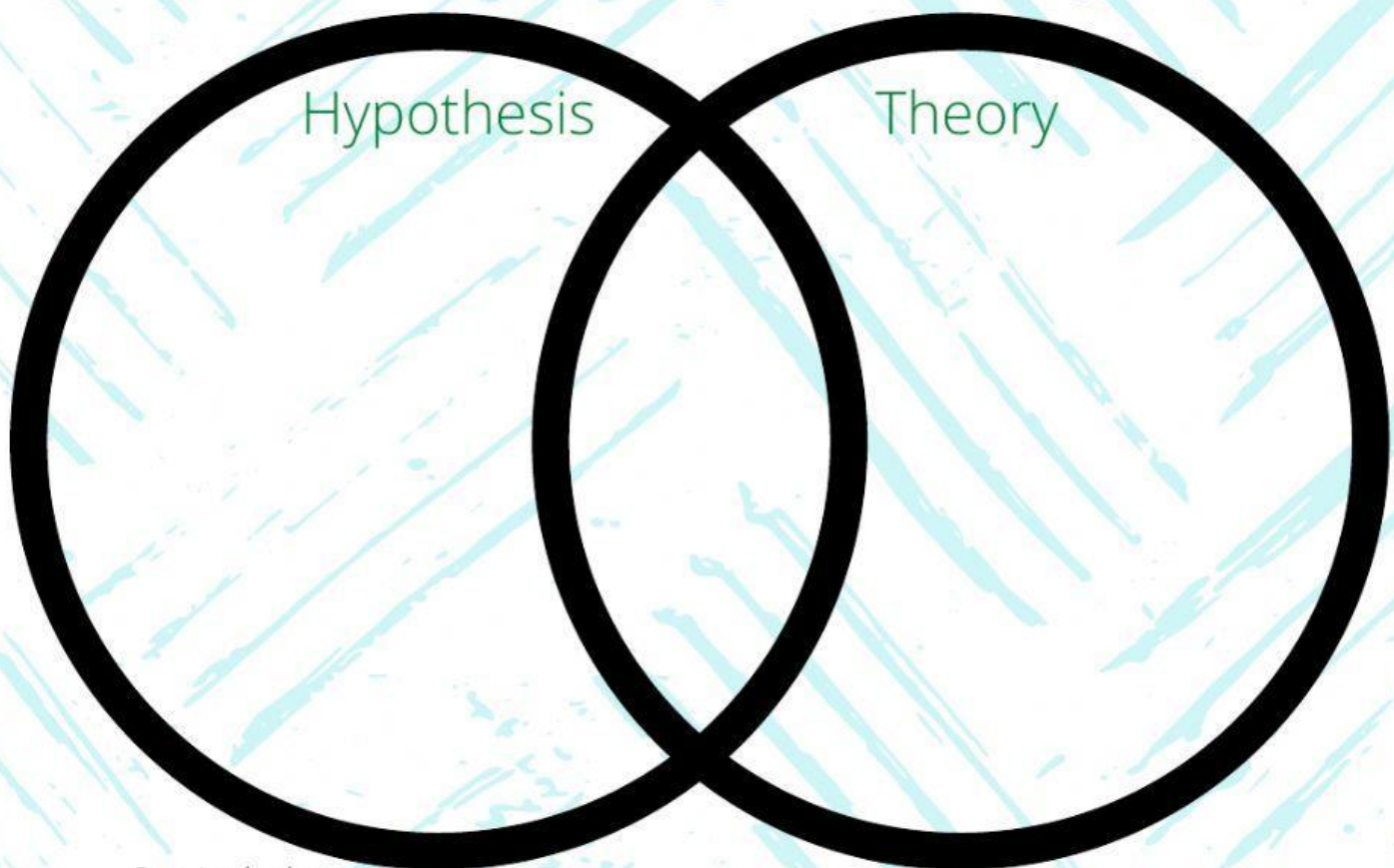
Evolution Review



Knowledge Check

Hypothesis vs. Theory

In everyday language, there is little difference between a hypothesis and a theory. But in science, the meanings of these words are more distinct. A hypothesis is a specific, testable prediction for a limited set of conditions. A theory can include hypotheses that have been tested and can also be used to generate new hypotheses.



Can include
several well
tested
hypotheses

can be
tested

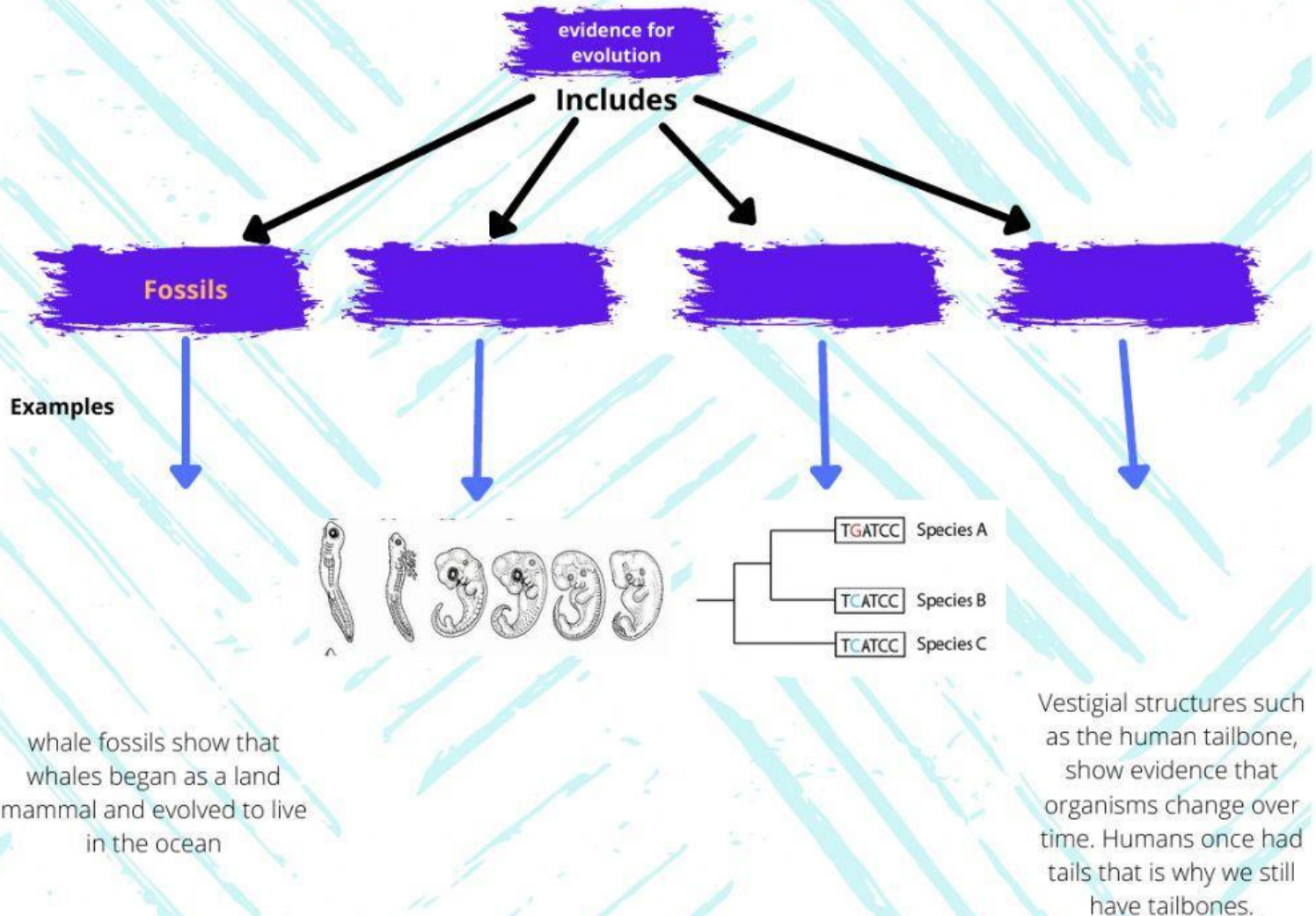
General
explanation

Specific,
testable
prediction

can be
replicated

Evolution Concept Check

BIG IDEA: MANY DIFFERENT FORMS OF EVIDENCE SUPPORT THE THEORY THAT EARTH IS ANCIENT AND THAT SPECIES CAN CHANGE OVER TIME

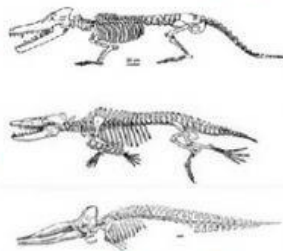


Drag and drop words and pictures to fill in this concept map

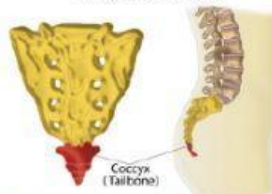
Embryology

the more closely a species is related the more similar their DNA will be. Chimps and humans have 98.8 percent of their genes in common.

Vestigial Structures



Coccyx (Tailbone)



Embryos, of species who share a common ancestor look similar in their first weeks of development such as a fish and a salamander

Molecular

Vocab check

Match the word to the definition

Species

Variation

Evolution

Catastrophism

Uniformitarianism

Gradualism

Adaptation

Natural Selection

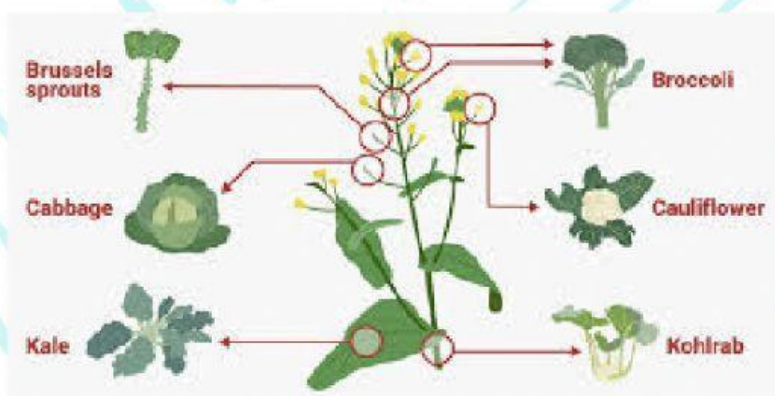
Fitness

Homologous structure

Analogous structure

Vestigial structure

Practice Questions



Traits of the wild mustard plant have been emphasized by artificial selection to produce different vegetables. Which trait was emphasised to create kale?

Which of the following is true regarding Darwin's theory of evolution?

As developing embryos, some organisms appear to have features that are similar in structure. As these organisms continue their development, features that were similar in the embryonic stage develop into different structures that have different functions. What type of evidence of common ancestry do these features represent?