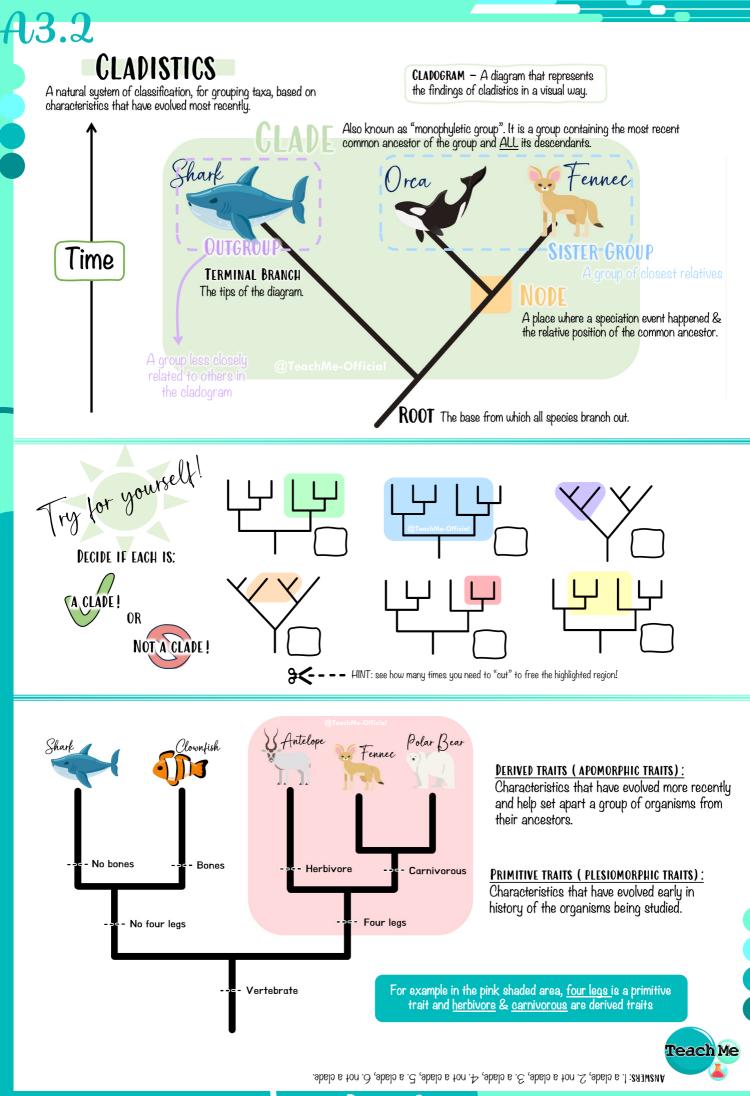
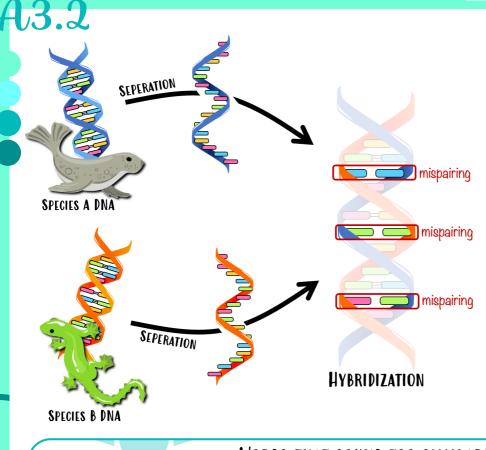


PAGE 1



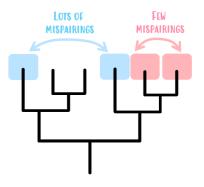
tchme.org

PAGE



How do we count the differences? **DNA HYBRIDIZATION**

Differences in DNA & polypeptide sequences accumulate gradually over time, as mutations occur from generation to generation in a species. Consequently, changes can be used as a kind of clock to estimate how far back in time two related species split from a common ancestor.



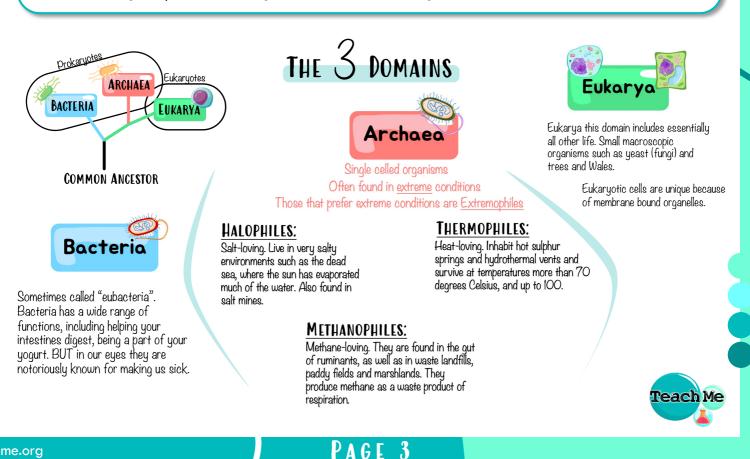
WORDS THAT SOUND TOO SIMILAR? Definitions!

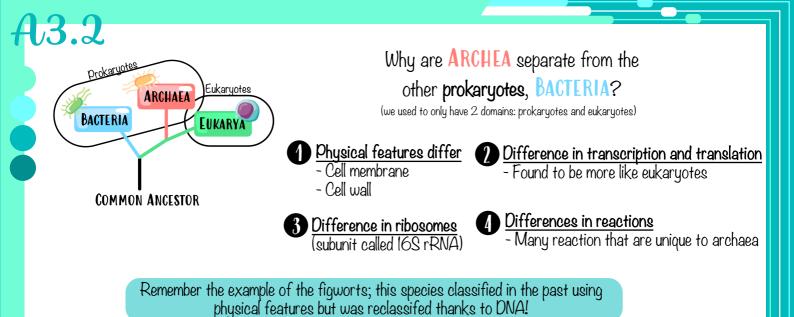
PHYLOGENY - Study of the evolutionary past of a species. Very BROAD term.

PHYLOGENETICS - A more specific term that applies to the techniques and methods used to analyze and infer evolutionary relationships. Involving the construction of phylogenetic trees.

CLADISTICS: A natural system of classification, for grouping taxa, based on characteristics that have evolved most recently.

CLADOGRAM: A way to represent the findings of cladistics in a visual way.





tchme.org



Teach Me





tchme.org