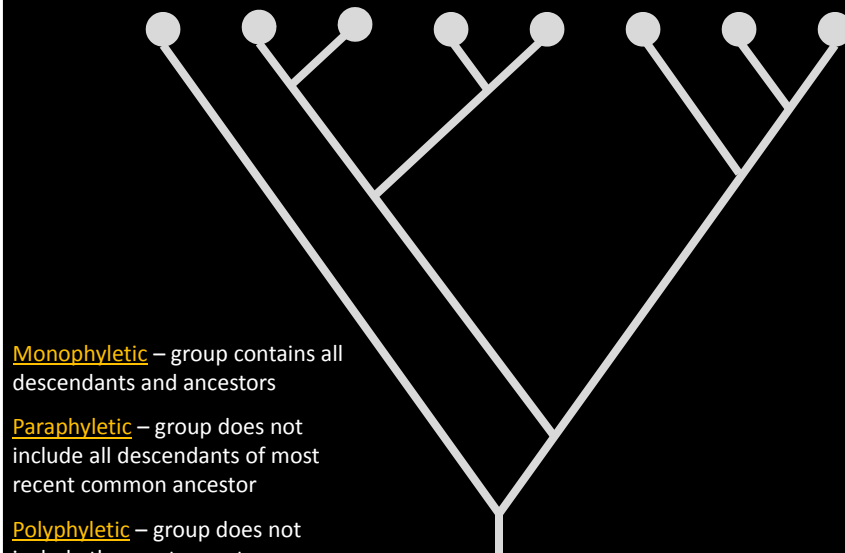


Phylogenetic Terms

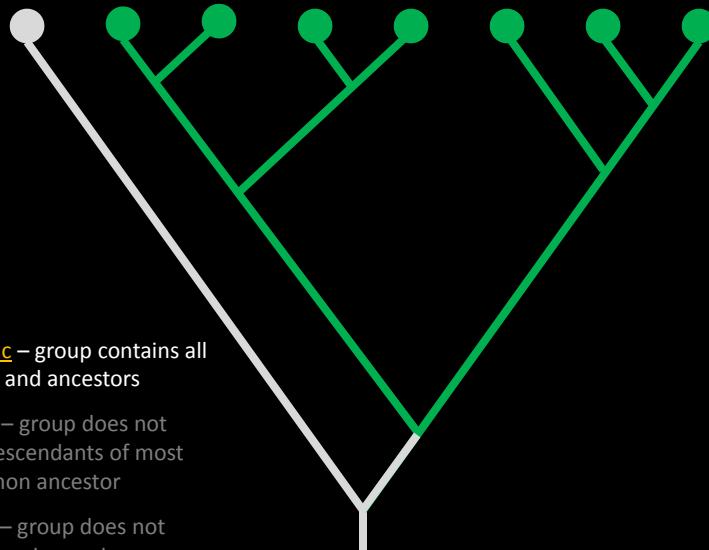


Monophyletic – group contains all descendants and ancestors

Paraphyletic – group does not include all descendants of most recent common ancestor

Polyphyletic – group does not include the most recent common ancestor

Monophyletic Group



Monophyletic – group contains all descendants and ancestors

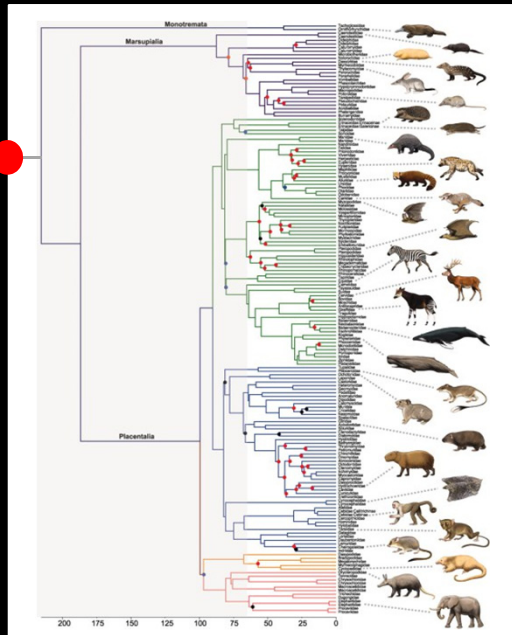
Paraphyletic – group does not include all descendants of most recent common ancestor

Polyphyletic – group does not include the most recent common ancestor

Monophyletic Group

Ancestral mammal

Mammals represent a monophyletic group, as all mammals descend from a common mammalian ancestor

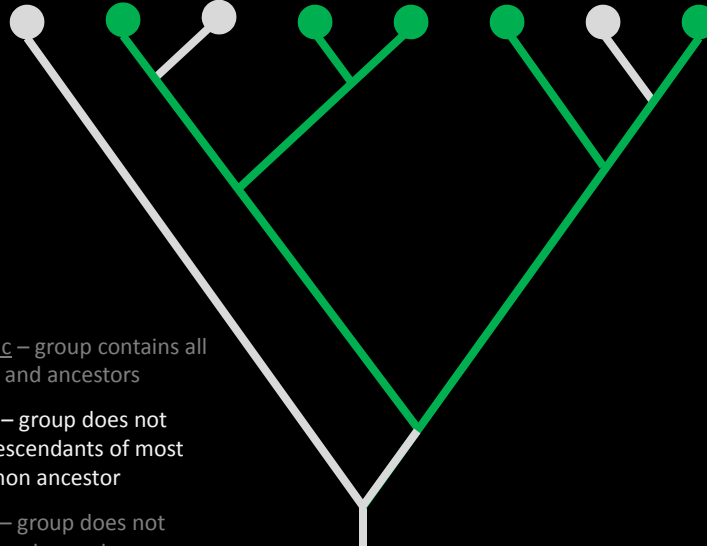


Paraphyletic Group

Monophyletic – group contains all descendants and ancestors

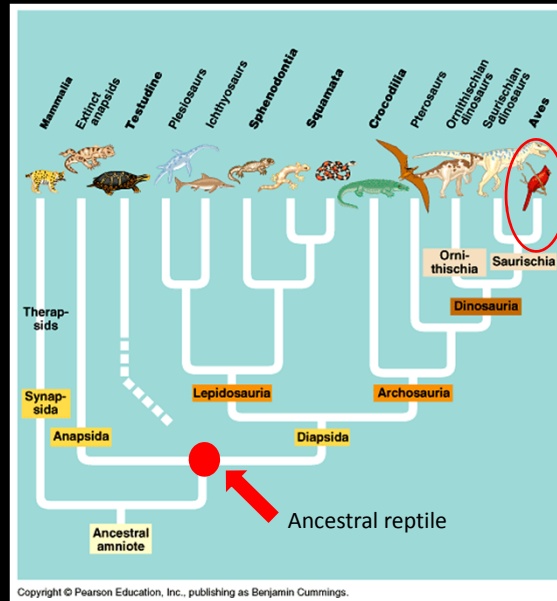
Paraphyletic – group does not include all descendants of most recent common ancestor

Polyphyletic – group does not include the most recent common ancestor



Paraphyletic Group

Reptiles are paraphyletic, as they do not include birds in the group



Paraphyletic Group

Fish are paraphyletic, as they do not include tetrapods in the group

