Phylogenetic Tree

gy points

B. Eagle　Alligator　Antelope

Lamprey
Sea Bass
Feathers
Fur
Gizzard
Lungs
Jaws

CLADOGRAM – includes an organism + all descendents

Organisms that have more recent common ancestors are more closely related!

→ Straight lines: lineage (evolution can & does occur)

→ branch points: where one species diverged into two species

→ hash marks: "derived characters" – a trait that is new to the group being examined ("ancestral characters" aren't new...)