

# CONSTRUCTING A PHYLOGENETIC TREE OF GENUS HOMO

Use the space below to draw a phylogenetic tree

1) Draw a phylogenetic tree that includes the following hominin species:

- Australopithecus
- Homo habilis
- Homo erectus
- Neanderthal (Homo neanderthalensis)
- Cro-Magnon (early Homo sapiens)
- Homo sapiens (modern humans)

2) Start from a common ancestor and show branching points that represent speciation events.

3) For each species, add at least one trait label that distinguishes it (e.g., tool use, fire, speech, burials, farming, clothing, sea travel).

4) Your tree should show:

- The evolutionary path from early ancestors to modern humans
- Which species were closely related (e.g., Neanderthals and Cro-Magnon)
- Which species are extinct and which one survived