

Biological and Cultural Diversity of *Homo*

Time (my)	Europe	Africa	Asia
2.5 – 2.3	No hominids	Only australopithecines First Oldowan stone tools & butchery	No hominids
2.3 – 2.0	No hominids	Robust australopithecines Early <i>Homo</i> <ul style="list-style-type: none"> • <i>Homo habilis</i> (either one or two species) Oldowan stone tools & butchery	No hominids
2.0 – 1.9	No hominids	Early <i>Homo</i> <ul style="list-style-type: none"> • <i>Homo habilis</i> (either one or two species) • Early <i>Homo erectus</i> (e.g., <i>H. ergaster</i>) Oldowan stone tools & butchery	No hominids
1.8 – 1.5	Early <i>Homo erectus</i> (Dmanisi site) Oldowan stone tools & butchery	Early <i>Homo</i> <ul style="list-style-type: none"> • <i>Homo habilis</i> (either one or two species) • Early <i>Homo erectus</i> (e.g., <i>H. ergaster</i>) Oldowan stone tools & butchery Use of caves (S.Africa)	Early <i>Homo erectus</i> (in Java) Oldowan stone tools & butchery
1.5 – 1.0	Early <i>Homo erectus</i> Acheulian stone tools, & butchery/hunting?	Early <i>Homo erectus</i> Acheulian stone tools, first fire & butchery / hunting?	Early <i>Homo erectus</i> Acheulian stone tools & butchery/hunting?

Beginning of extreme Ice Age fluctuations, 100,000 year cycle			
1.0 – 0.5	“Archaic <i>Homo sapiens</i> ” (Atapuerca site) Acheulian stone tools, & butchery / hunting? first fire Cannibalism ? Use of caves	“Archaic <i>Homo sapiens</i> ” Acheulian stone tools, & fire continue & butchery / hunting? Cannibalism?	Early <i>Homo erectus</i> (Zhoukoudien site) Acheulian stone tools, first fire, butchery/hunting? Use of caves
0.5 0.25	“Archaic <i>Homo sapiens</i> ” (Atapuerca site) Acheulian toolkit, first spears, first structures? First mortuary	“Archaic <i>Homo sapiens</i> ” Acheulian toolkit	Early <i>Homo erectus</i> (Zhoukoudien site) Acheulian toolkit
250,000 – 50,000	“Archaic <i>Homo sapiens</i> ” <i>H.s.</i> <i>neanderthalensis</i> Middle Paleolithic (“Mousterian”) First individual graves	Anatomically modern humans <i>Homo sapiens sapiens</i> Middle Stone Age First ornaments and art	“Archaic <i>Homo sapiens</i> ” Middle Paleolithic (“Mousterian”)
50,000 –15,000	Anatomically modern humans <i>Homo sapiens sapiens</i> Upper Paleolithic Cave paintings	Anatomically modern humans <i>Homo sapiens sapiens</i> Later Stone Age	Anatomically modern humans <i>Homo sapiens sapiens</i> Upper Paleolithic First migrations into New World (Australia First cremations, First rock art. and Americas)
End of Last Ice Age			
15,000 – 10,000	Anatomically modern humans Mesolithic	Anatomically modern humans Mesolithic villages First farmers in N. Africa & Near East	Anatomically modern humans Mesolithic First Pottery First farmers in Asia
10,000 - 5000	First farmers in southern Europe	Farming widespread	Farming widespread in Asia, first farmers in Americas