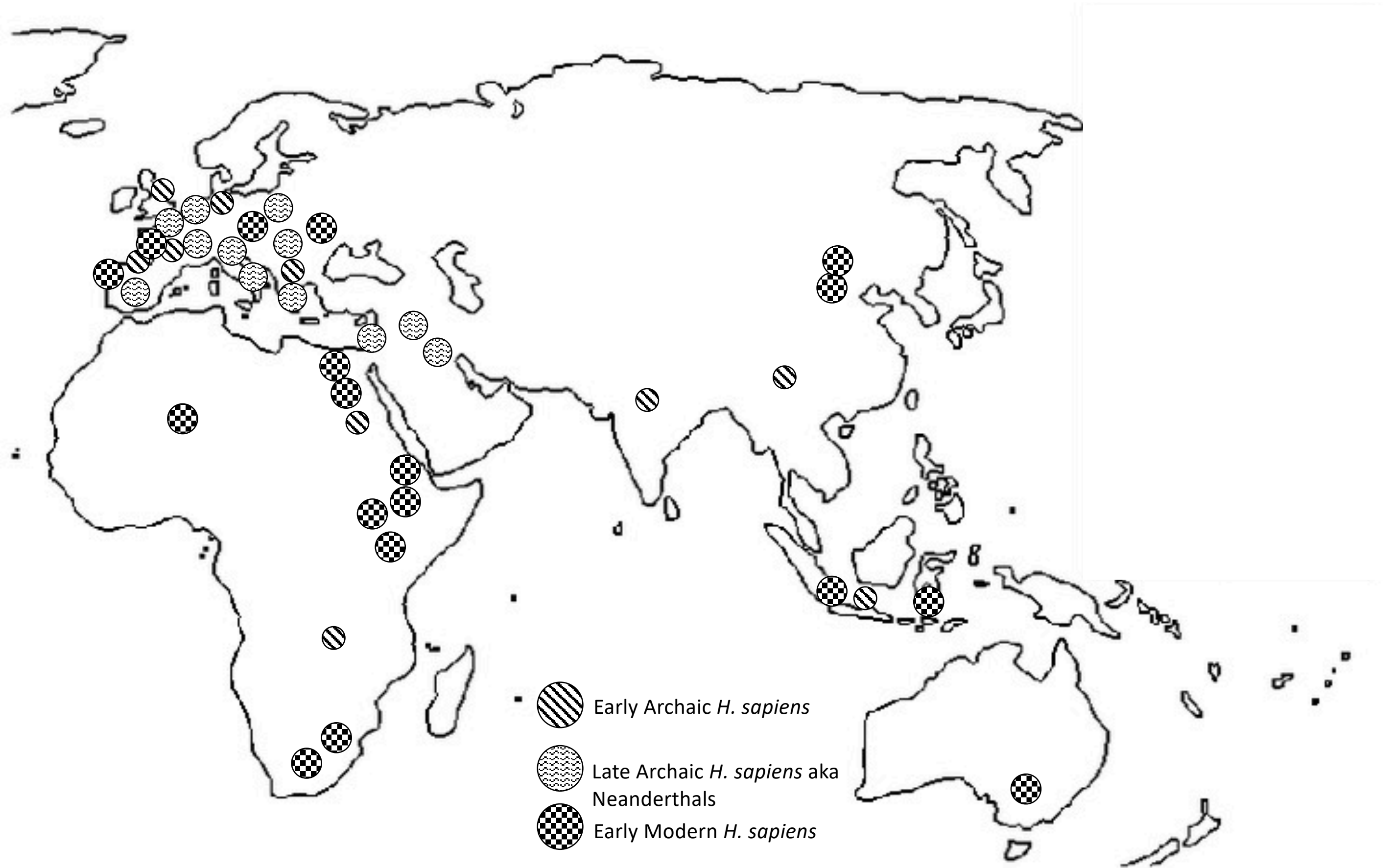


Early & Late Archaic *H. sapiens* & Early Modern *H. sapiens* : patterns, variation, & geographic distribution



Trait	<i>Archaic H. sapiens 350kya-130kya</i>	<i>Neanderthals 120(?) -30kya</i>	<i>Modern Homo sapiens 200kya-present</i>
Teeth	Bigger front teeth and smaller molars	Large front teeth, lots of wear on front teeth also – thoughts of using teeth as a tool/third hand	Small teeth, get shoveled incisors in Asian populations like seen in H. erectus
Face & Jaws	Bigger, projecting face (but not as much as H. erectus), large nose, no chin	Bigger, projecting face, very big nose (B&A rules, climate), no chin	Small face, chin (mental eminence) present
Brain	1,110-1,300 cc	1,500 cc	1,500 cc
Brow ridge	Big	Big	Like none
Skull	Longer and lower (not a tall forehead)	Longer and lower (not a tall forehead), occipital bun	High, vertical foreheads, round and tall skull
Body size & shape		Broad, barrel chested & wide pelvis (stocky). Shorter relative to modern H. sapiens – regional cold adaptations	Tall! Regional variation as well – heat adaptations
Arms length	Thick bones	Short relative to legs, short distal segments	Short relative to legs, but long distal segments relative to Neanderthals, more gracile bones though earlier ones were a bit more robust
Leg length	Thick bones	Long, though short relative to moderns, short distal segments, thick bones	LONG LEGS, more gracile bones
Diet	Lots more meat	Ridiculous amount of animal protein! See graph	Increased use of plants and aquatic resources – less focused on big game
Culture	More advanced Acheulean tool culture, big game hunting,	Some evidence of housing structures, big game hunting (rodeo clowns!!!!), fishing & use of other aquatic resources, Mousterian tool tech (with Levallois technique) and eventually upper Paleolithic tools, use of things other than stone, burials, symbolic behavior, care of sick and injured (Shanidar), speech (handedness, but chimps have this too), possible cannibalism	Tool Cultures: Aurignacian (45-30kya), Gravettian (30-20kya), Solutrean (21-17kya), Magdalenian (17-12kya), venus statues, lots more art, burials and grave goods, decreased hunting more fishing (bone harpoons), housing structures
Geographic Distribution	Africa, Asia & Europe	Africa (I think...), Middle East, Europe, not as much in fossil record from East Asia	All over the damn place