DIAGRAM SET-1

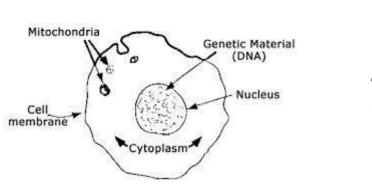


Figure 2: human cell

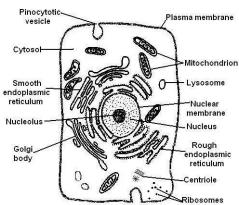


Figure 1 human cell

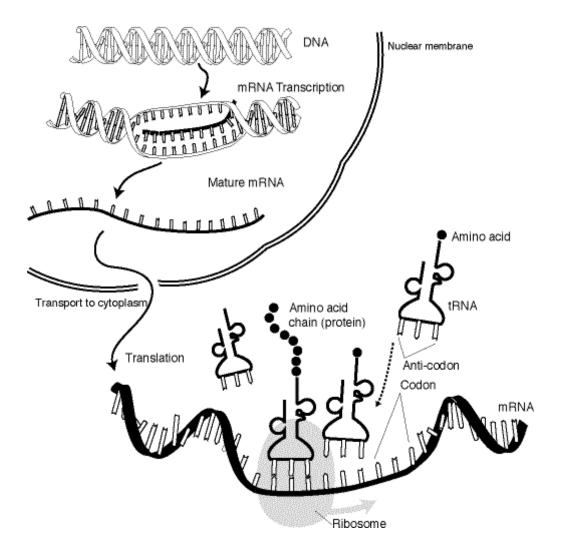


Figure 3 Protein synthesis

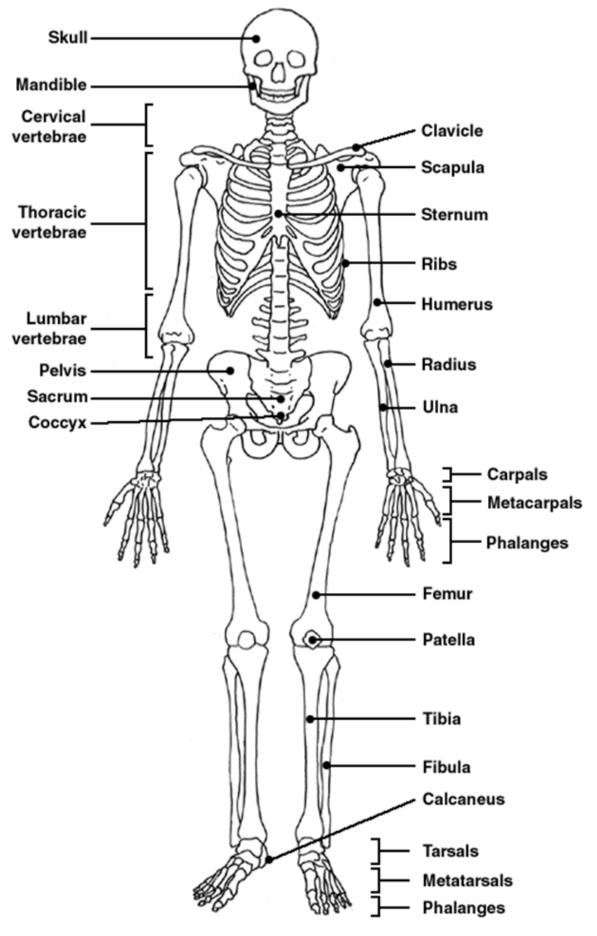
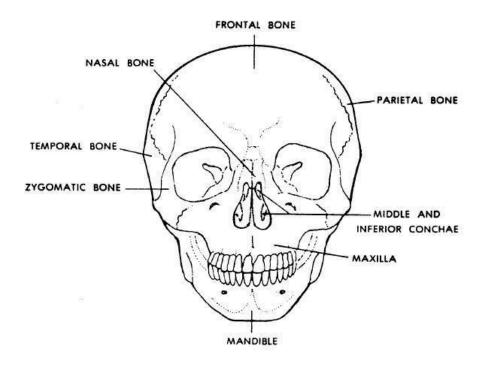


Figure 4: HUMAN SKELETON



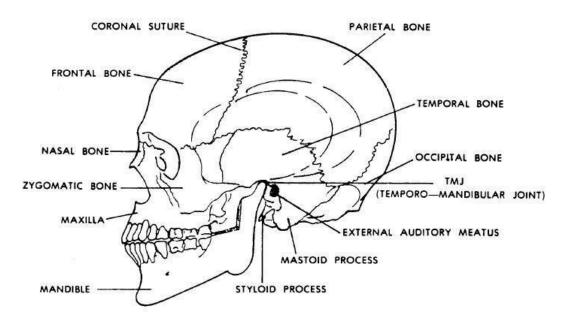
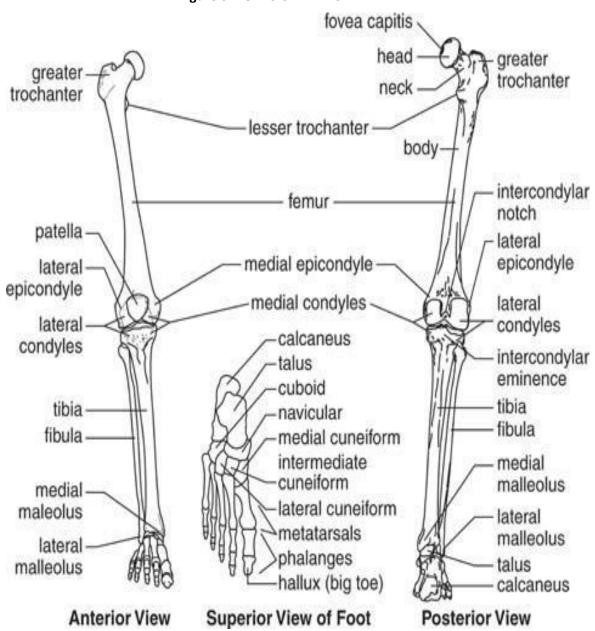
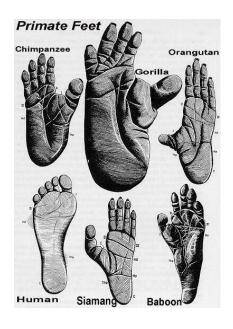
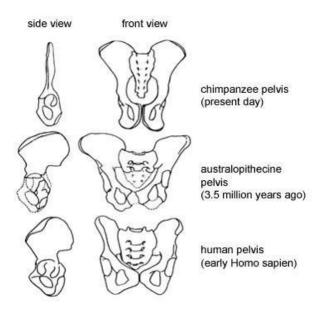


Figure 5: HUMAN SKULL

Figure 6: BONES OF THE LOWER LIMB







BANGALORE IAS ACADEMY

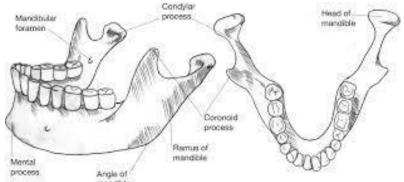
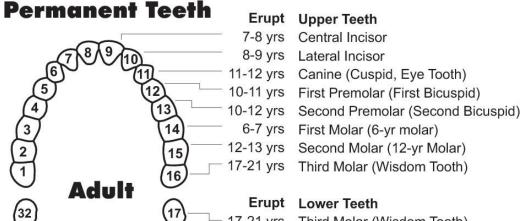


Figure 7: HUMAN MANDIBLE

Primary Teeth

	Erupt	Shed	Upper Teeth
E	8-12 mos	6-7 yrs	Central Incisor
	9-13 mos	7-8 yrs	Lateral Incisor
(6)	16-22 mos	10-12 yrs	Canine (Cuspid)
(B)	13-19 mos	9-12 yrs	First Molar
(A)	(J)—— 25-33 mos	10-12 yrs	Second Molar
3 Bal	6-7 yrs	Permanent	First (6-yr) Molar
<u> </u>			
_	Erupt	Shed	Lower Teeth
(30)		Shed Permanent	Lower Teeth First (6-yr) Molar
	Erupt 6-7 yrs 23-31 mos		
	Erupt 6-7 yrs	Permanent	First (6-yr) Molar
	Erupt 6-7 yrs 23-31 mos	Permanent 10-12 yrs	First (6-yr) Molar Second Molar
	Erupt 6-7 yrs 23-31 mos 14-18 mos	Permanent 10-12 yrs 9-11 yrs	First (6-yr) Molar Second Molar First Molar
	Erupt 6-7 yrs 23-31 mos 14-18 mos 17-23 mos	Permanent 10-12 yrs 9-11 yrs 9-12 yrs	First (6-yr) Molar Second Molar First Molar Canine (Cuspid)



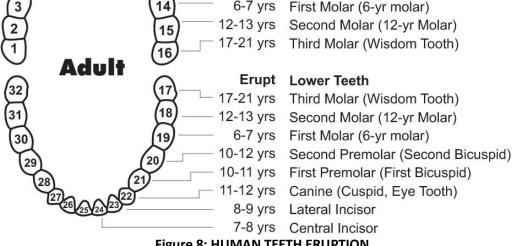


Figure 8: HUMAN TEETH ERUPTION

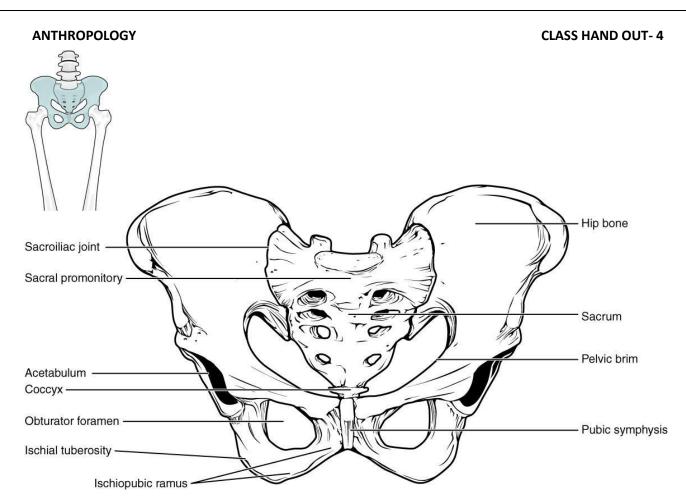


Figure 9: HUMAN PELVIS

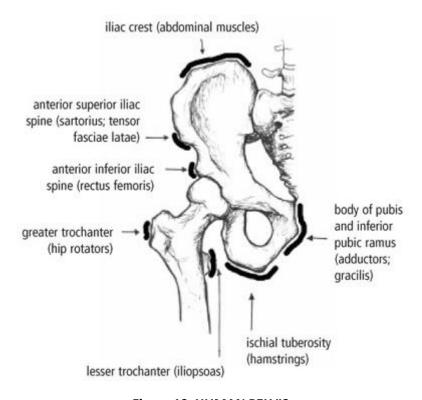


Figure 10: HUMAN PELVIS

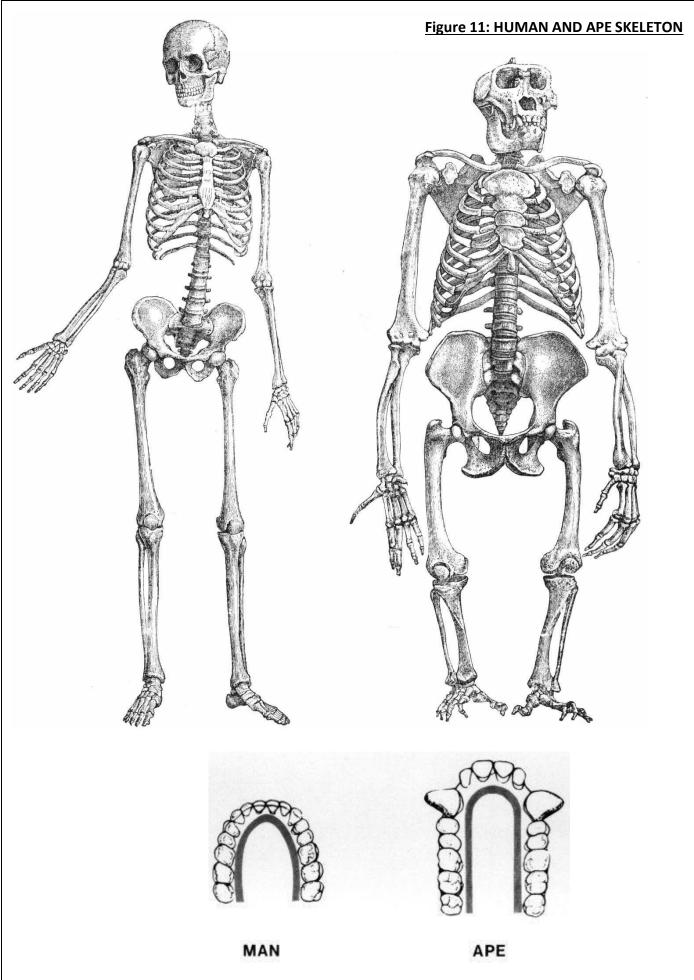


Figure 12: DENTITION

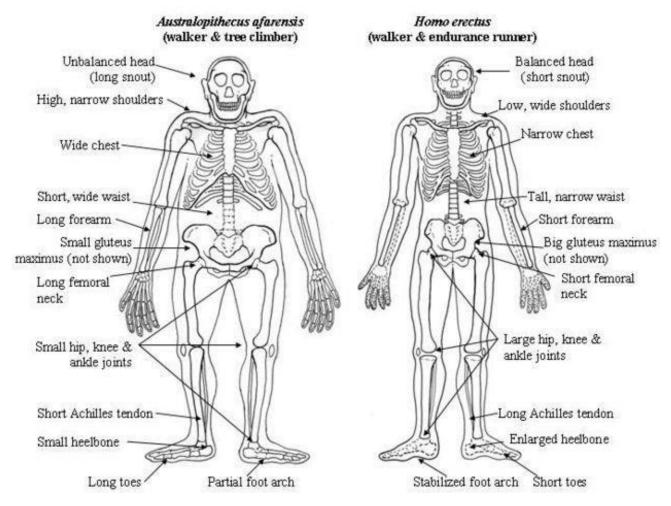
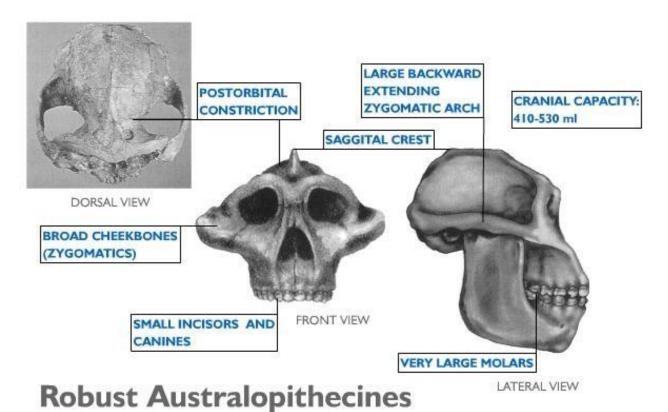


Figure 13: Australopithecus



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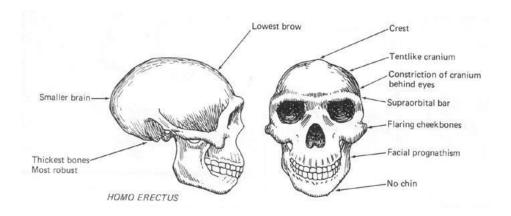
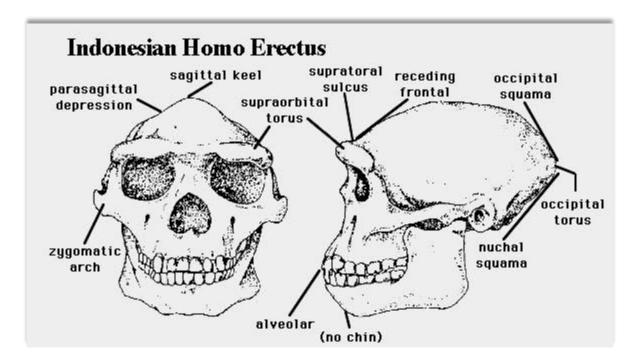


Figure 14: HOMO ERECTUS



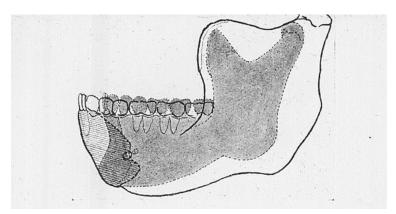


Figure 15: HEIDELBERG MANDIBLE (IN OUTLINE)
CONTRASTED WITH THE LOWER JAW OF MODERN MAN

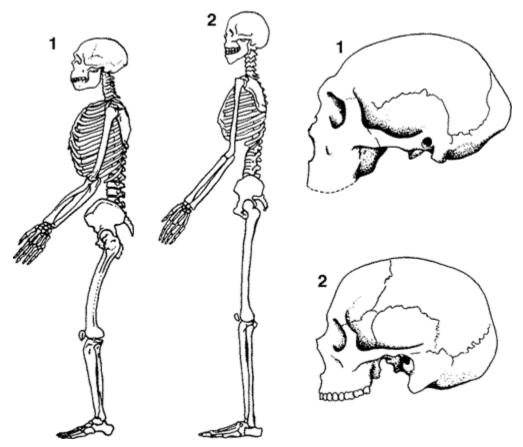
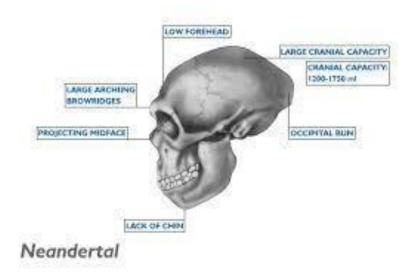
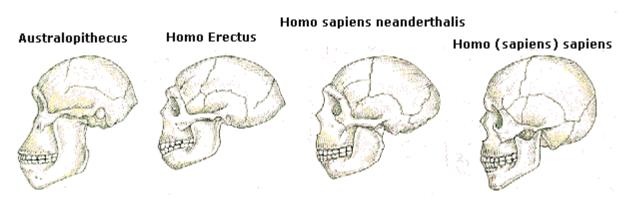


Figure 16: NEANDERTAL (1) AND MODERN MAN (2)





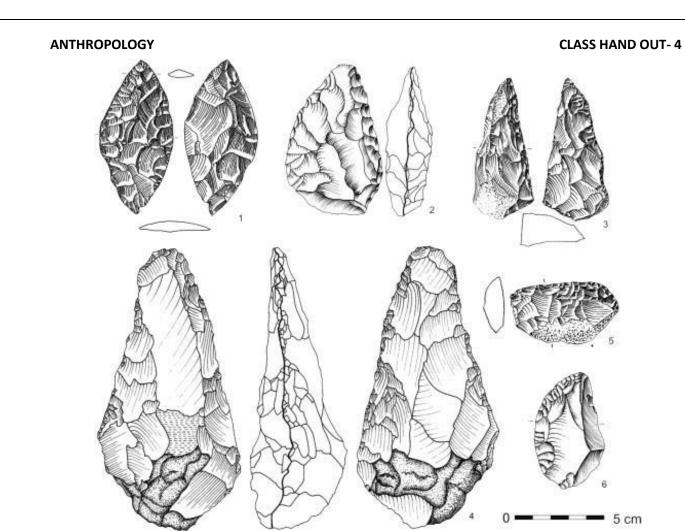


Figure 17: HAND AXE

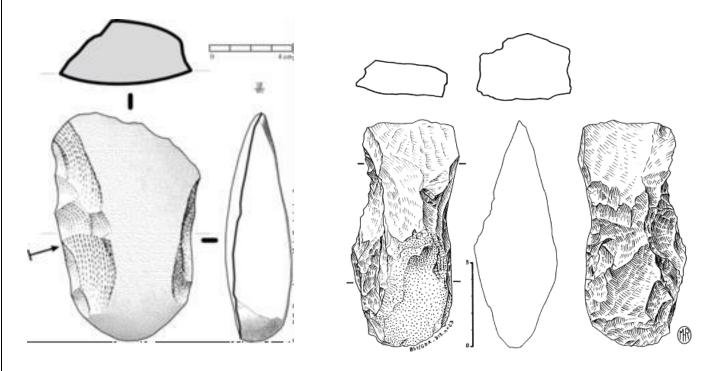


Figure 18: CLEAVER

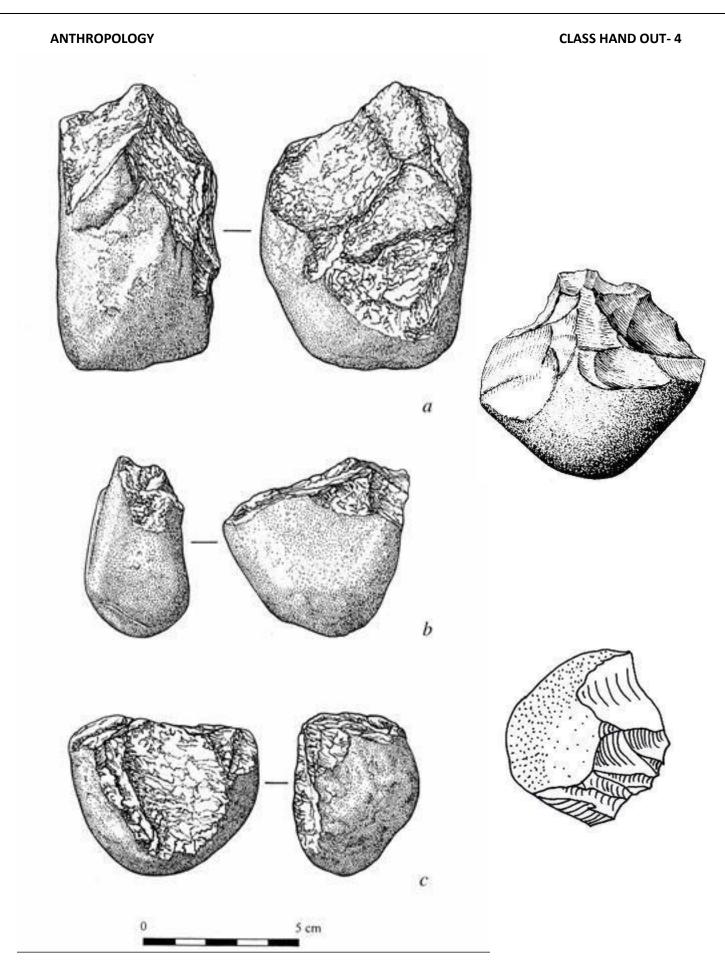
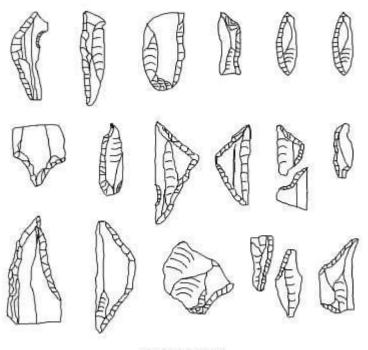
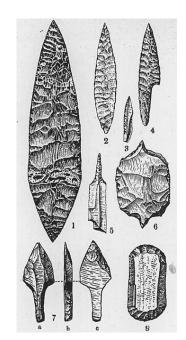


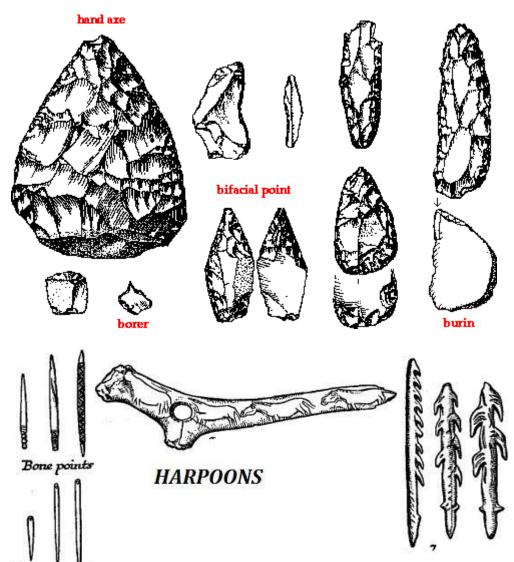
Figure 19: CHOPPER/CHOPPING TOOLS







Microliths (from Lussa Bay, Jura)

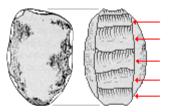


13

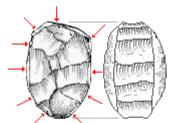
Figure 21: TOOL MAKING



A large cobble of brittle fracturing rock (e.g., flint) is selected.



The cobble is percussion flaked around its perimeter to prepare the core.



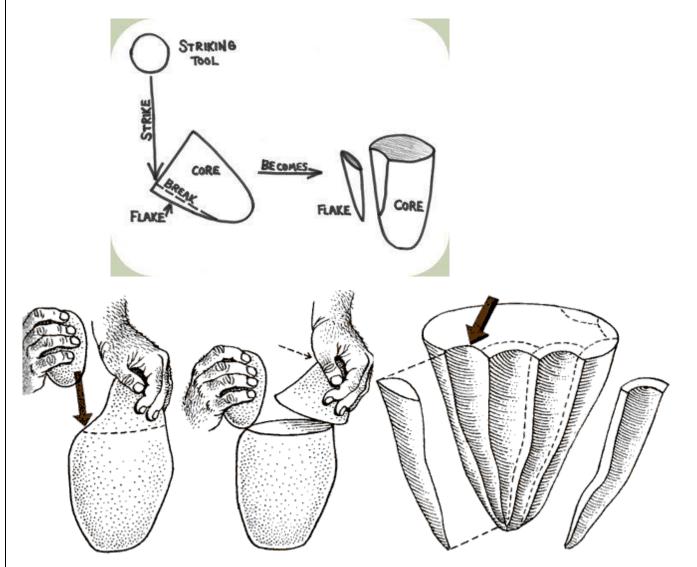
One side is percussion flaked to produce a tortoise shell shape.



A heavy percussion blow at one end of the cobble removes a large flake that is convex on one side and flat on the other.



This Levallois flake is now ready to be used immediately for scraping and cutting or to be shaped into a specialized tool.



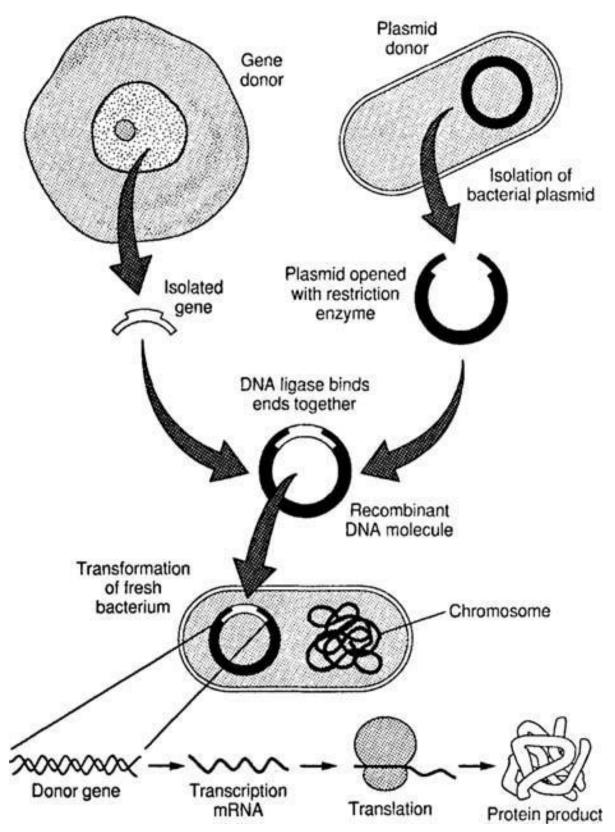


Figure 22: RECOMBINANT DNA TECHNOLOGY

Figure 23: Biological and cultural evolution of man

Archaeological Periods	Fossil Humans	Cultural Characters
	Earliest Hominids i.e.	
	Homo habilis	First stone tools called
Lower Palaeolithic		Oldowan tools (core pebbel
		tools), Hunting and/or Scavenging.
		Seasonal Camp sites
	Homo erectus	Probable division of labour by sex
,		Abbevillean and Acheullean
		tools (hand axes)
Middle Palaeolithic	Homo sapiens	Mousterian tools (Flake tools)
	Neanderthal	Burials; Probable religious beliefs
Upper Palaeolithic	Homo sapiens sapiens	Blade tools; Cave Paintings,
		Female Figurines
Mesolithic	Homo sapiens sapiens	Microliths; Broad spectrum of
. 11		food collecting; Increasingly
ri		sedentary communities
Neolithic	Homo sapiens sapiens	Polished tools; Farming;
		Domestication of plants and
8		animals; Permanent villages
	Ylama ganiana ganiana	Full-time craft, specialists, Cities
Bronze Age	Homo sapiens sapiens	and States; Civilization

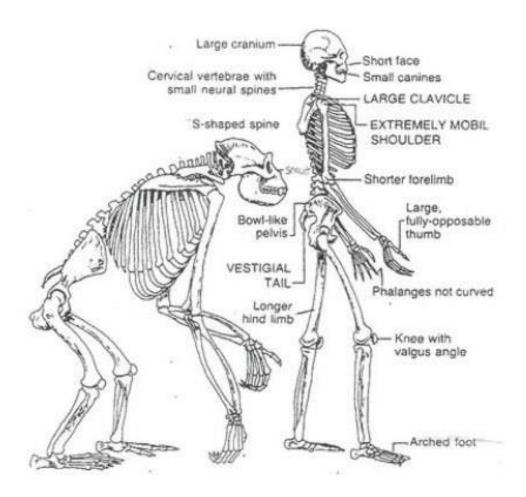


Figure 24: Skeletal difference between ape and man

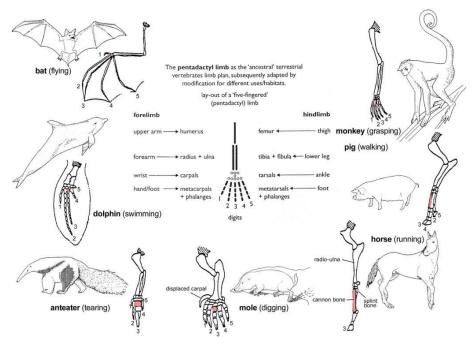
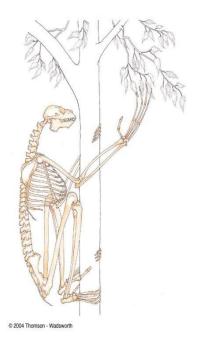


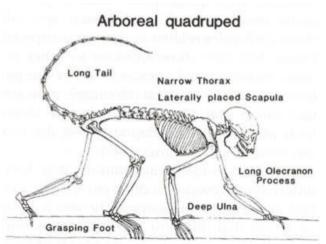
Figure 25: generalised limbs

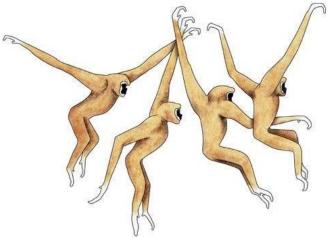


Figure 26: Different Primates

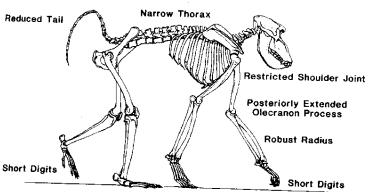








Terrestrial quadruped



Long, Similar-length Forelimb and Hindlimb

Figure 27: Primate Locomotion

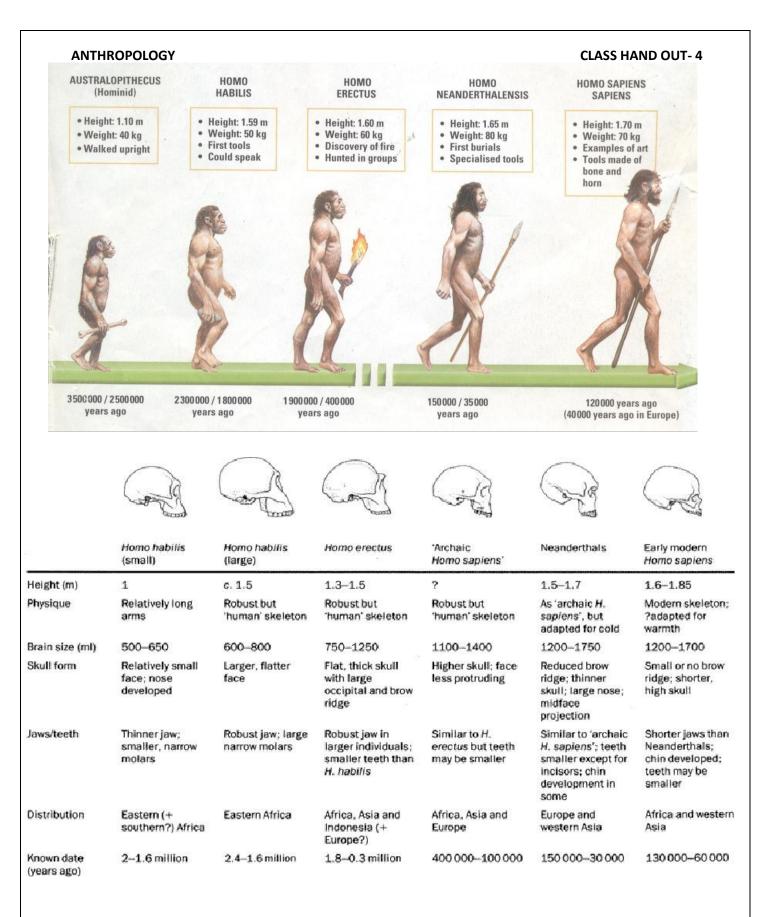


Figure 28: Human Evolution