

HOMO HABILIS (HANDY MAN)

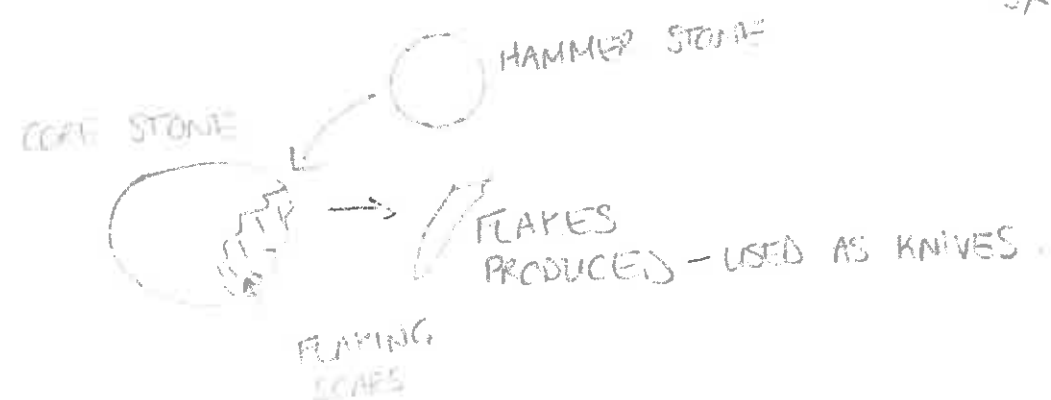
USED PERCUTIVE TOOLS 3 - 1.5 MILLION YEARS AGO

* USED AS CUTTERS & CHOPPERS (BUTCHERING)

* NOT USED AS WEAPONS

TOOLS MADE USING

- HAMMER STONE (FOR HITTING)
- CORE STONE (BECOMES THE TOOL)



FINISHED TOOL
↳ VERY SIMPLE
SO HARD TO
DISTINGUISH FROM
NATURAL OCCURRING ROCKS

USES: * BREAKING OPEN BONES TO ACCESS MARROW WITH TOOLS

↳ FROM SCAVENGED ANIMALS.

* BUTCHERING & SKINNING CARCASSES

* IMPROVED FOOD GATHERING

HOMO ERECTUS - USED HAND AXES 1.5 MILLION - 200,000 YEARS AGO.

* USED AS SCRAPERS, HACKING WOOD FROM TREES, MEAT FROM CARCASSES, BUTCHERING ANIMALS.

* BIFACIAL TOOLS WITH LONGER CUTTING EDGES THAN OLDOWAN = ↑ EFFICIENCY

TOOLS MADE USING

- CORE TOOL AS WELL AS BONE, WOOD & ANTLER FOR SHAPING
- HAMMER STONE

↳ MORE BLOWS REQUIRED TO REMOVE FLAKES.



POINTS & EDGES EXPOSED = HAND AXE/CLEAVER.

MATERIALS USED: BASALT
MUDSTONE
CHERT
SHALE
SANDSTONE
LIMESTONE

* FIRST TO USE *
FIRE!

HOMO NEANDERTHALIS 200,000 - 400,000 YEARS AGO

* MORE COMPLEX TOOLS

↳ HAFTING STEMS FOR TOOLS e.g. AXES

↳ SAWS MADE BY NOTCHING FLAKES

* STONE MAPPING TECHNIQUE

↳ HAMMER STONE → FLAKES ↑↑↑ LEADS TO "MOUTON TOOLS"

↳ LONGER

MATERIALS USED: FLINT
WOOD

= COMPLEX

HOMO SAPIANS

40,000 - 10,000 YEARS AGO

* OPPOSITE, COMPLEX TOOLS

* WIDE RANGE OF MATERIALS

e.g. BONE, IVORY, FLINT

USES: → MICROLITHS: SMALL STONE TOOLS

MADE BY FLINT/CHERT (e.g. 0.5cm BLADES)

→ SPEAR THROWERS / ARROW HEADS, MICROLITHS