

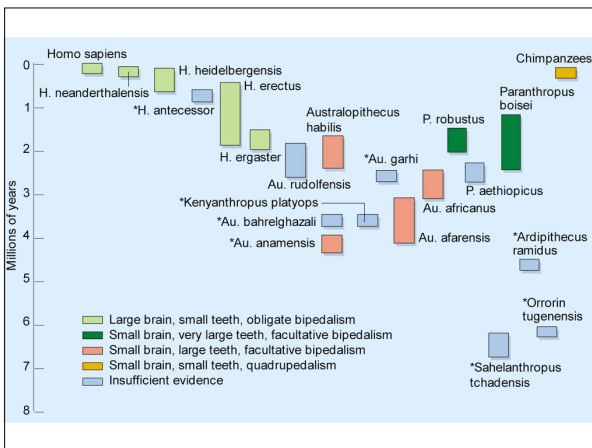
Early Humans

Learning Goals:

- Definition of *Homo*
- Members of the genus
- Geographical Ranges
- Temporal Ranges
- Behaviour

Definition of *Homo*

- Terrestrial Biped
- Large Brain
- Small Teeth
- Increasing:
 - Tool Use
 - Size



Minimal List of Species

- *Homo habilis* - “handy man”
- *Homo erectus* - “upright man”
- *Homo sapiens* - “wise man”
 - *Homo sapiens neanderthalensis*
 - *Homo sapiens sapiens*

Homo habilis (small)

- | | |
|---|---|
| • Height: 1 m | • Jaws/teeth: thinner jaw, smaller, narrow molars |
| • Physique: relatively long arms | • Distribution: Eastern (+ southern?) Africa |
| • Brain size: 500-650 ml | • Know date: 2-1.6 million years ago |
| • Skull form: relatively small face; nose developed | |

Homo habilis (large)

- | | |
|---|---|
| • Height: 1.5 m | • Jaws/teeth: robust jaw; large narrow molars |
| • Physique: robust but ‘human’ skeleton | • Distribution: Eastern Africa |
| • Brain size: 600-800 ml | • Know date: 2.4-1.6 million years ago |
| • Skull form: larger, flatter face | |

Homo erectus



- Height: 1.3-1.5 m
- Physique: robust but 'human' skeleton
- Brain size: 750-1250 ml
- Skull form: flat, thick skull with large occipital and brow ridges
- Jaws/teeth: robust jaw in larger individuals: smaller teeth than *H. habilis*
- Distribution: Africa, Asia, Indonesia (& Europe?)
- Know date: 1.8-0.3 million years ago

'Archaic *Homo sapiens*'



- Height: ?
- Physique: robust but 'human' skeleton
- Brain size: 1100-1400 ml
- Skull form: higher skull; face less protruding
- Jaws/teeth: Similar to *H. erectus* but teeth may be smaller
- Distribution: Africa, Asia & Europe
- Know date: 400,000 to 100,000 years ago

Neanderthals

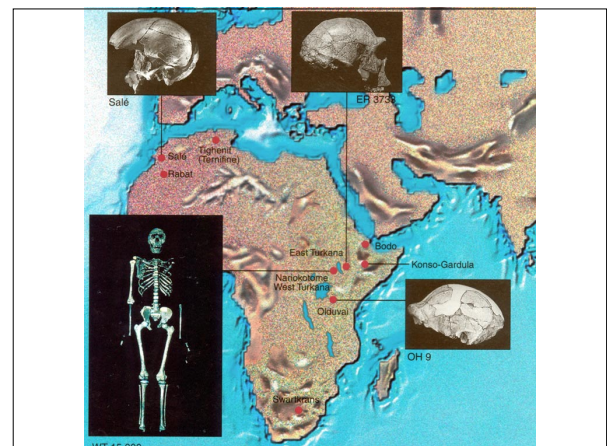
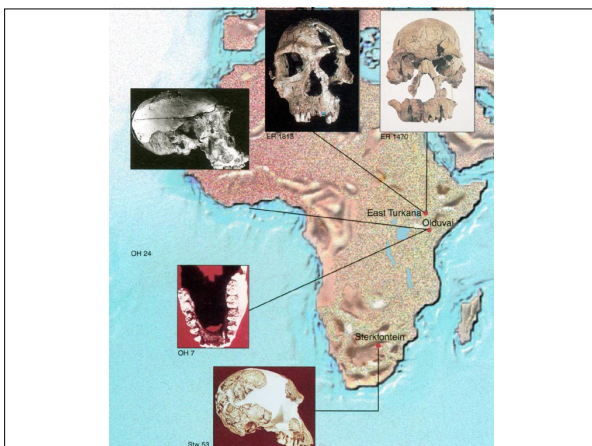


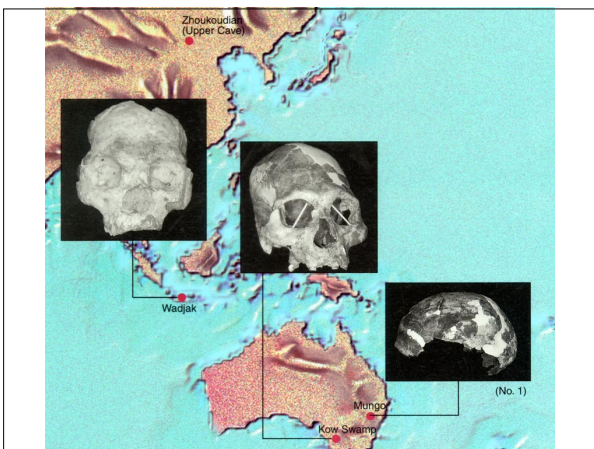
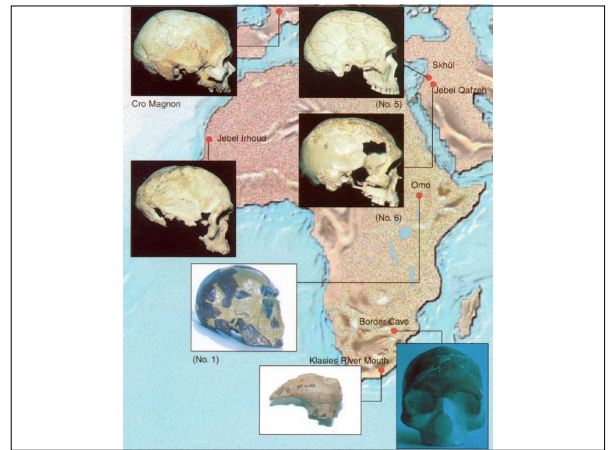
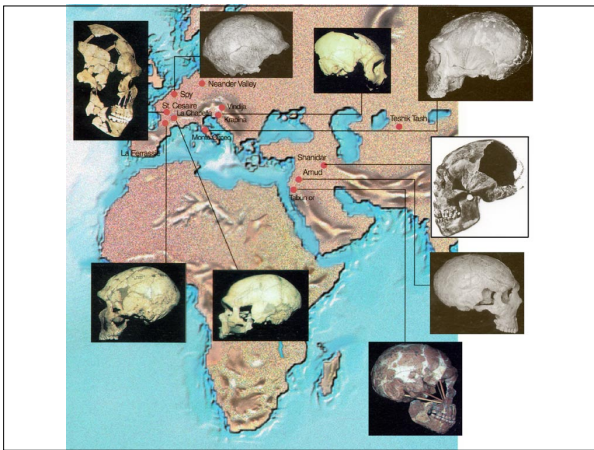
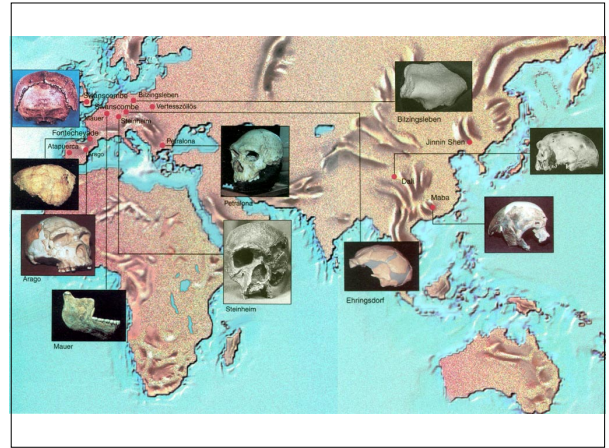
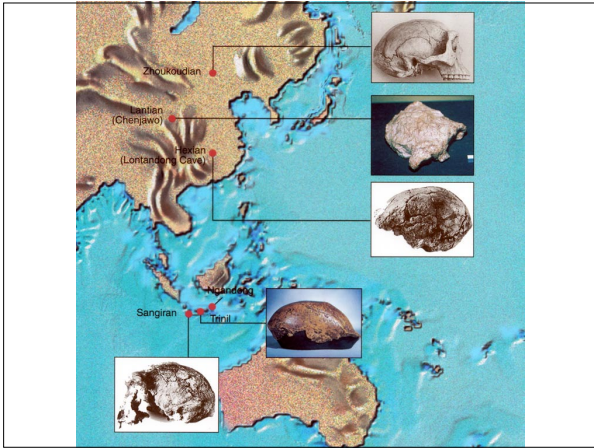
- Height: 1.5-1.7 m
- Physique: As 'archaic *H. sapiens*' but adapted for cold
- Brain size: 1200-1750 ml
- Skull form: Reduced brow ridge; thinner skull; large nose; midface projection
- Jaws/teeth: Similar to 'archaic *H. sapiens*'; teeth smaller except for incisors; chin development in some
- Distribution: Europe & Western Asia
- Know date: 150,000-30,000

Early modern *Homo sapiens*



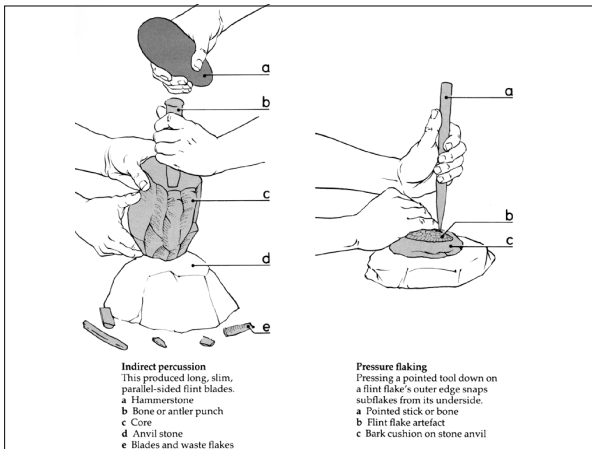
- Height: 1.6-1.85 m
- Physique: modern skeleton; ?adapted for warmth
- Brain size: 1200-1700 ml
- Skull form: Small or no brow ridge; shorter, high skull
- Jaws/teeth: shorter jaws than Neanderthals; chin developed; teeth may be smaller
- Distribution: Africa & Western Asia
- Know date: 130,000-60,000 years ago





Behavioural Changes

- Brain Size
- Tools
- Fire



Fire

- *Homo erectus* onwards
- Charcoal deposits
- Hearths
- All hunter-gatherers by 400,000 ya

Summary

- *H. habilis*, *H. erectus*, *H. sapiens*
- Big brained at last!
- Africa, Asia, Europe, Rest of World
- Stone Tools
- Fire