

New Models or Hypotheses to learn for Part III

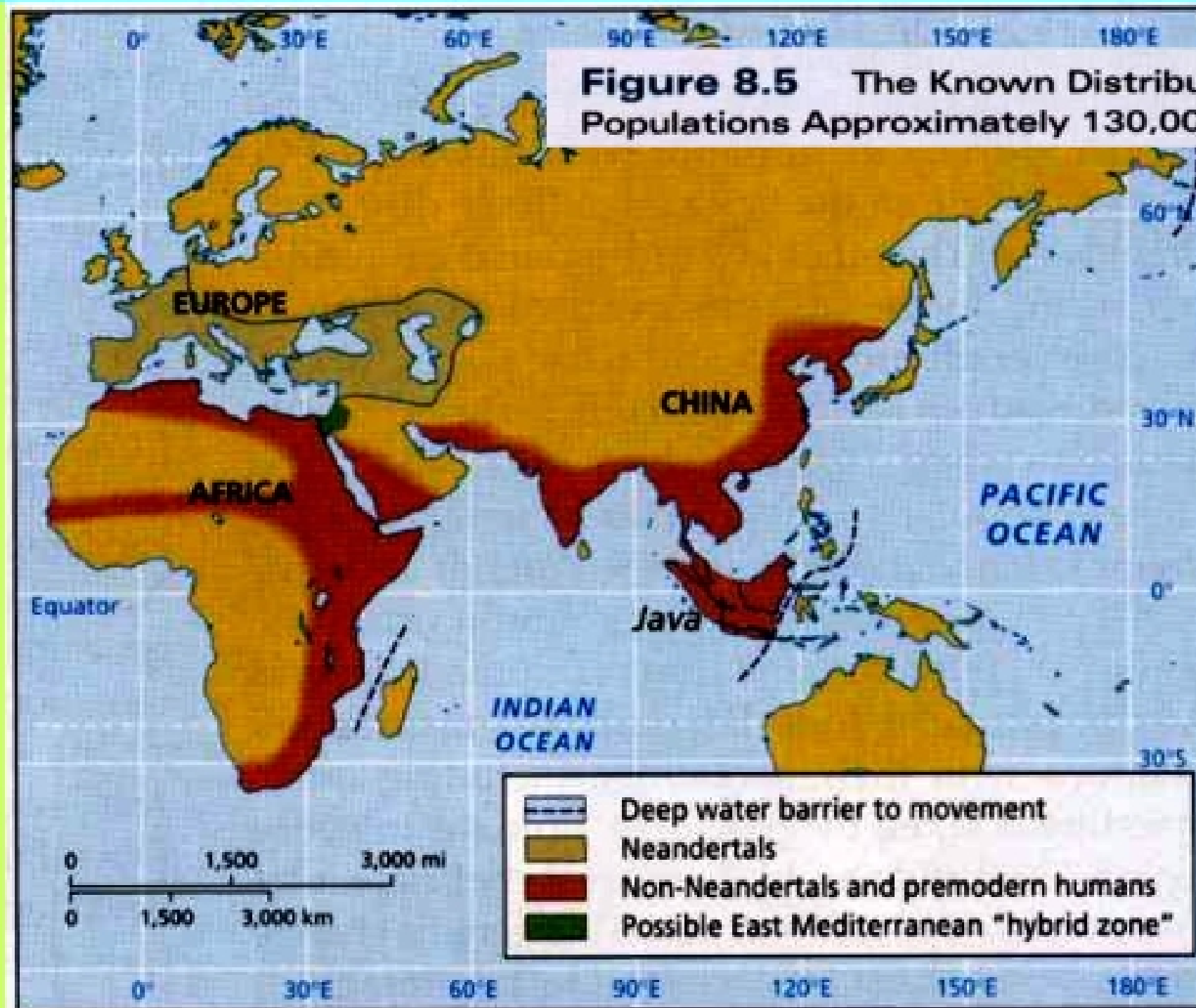
1. Out-of-Africa vs. Multiregional

Where/how *Homo sapiens* arose given that humans were already spread across a large geographic area

2. Gradualism vs Punctuated equilibrium

The rate by which speciation occurs

Question about evolution to or origin of modern *H. sapiens*:
Did all regional populations evolve, or just one?



SOURCE: From *Physical Anthropology and Archaeology*, 5th edition, by C. J. Jolly and R. White (New York: McGraw-Hill, 1995), p. 277.

Multiregional model:

All the far-flung *H. erectus* populations became Archaic *H. sapiens*, who became modern *H. sapiens*

- So all *H. sapiens* worldwide would be about the same age (as seen in modern genetic variation),
- all show up modern about the same time, and
- we'd see some regional traits that trace back to the local *H. erectus* populations

Assumes widespread gene flow (which we have today, but back then there were fewer people and only foot transportation)