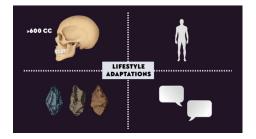
Human and Evolution: Taxonomy

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What Defines a Human

While there is not an exact define that scientist go by to determine what defines our genus, Homo. However, there are four lifestyle adaptation that scientist feel a specimen must have to belong in our genus.

- An adult size brain greater than 600 cubic centimeters.
- Limb proportions similar to ours with long legs compared to our arms.
- The development of stone tools.
- The use of language.



Process In Determine A Specimen Genus

• Determine the time period of the specimen lived in.

• Consider what other hominid species have been in the area based on the time period.

• Study the physical features of the fossil while comparing their features to current individuals in a species.

Limitations In Determining A Species Genus

• Inability to extract DNA from fossils.

• Locating well preserved specimen is difficult.



• Each fossil have varying features which could lead to a specimen being classified as a new species.

Debates on Taxonomy

• Homo habilis should be classified as a species in the genus Australopithecus

Scientist argue that *Homo habilis* has distinctive features associated with Australopithecus such as having a adult brain size smaller than 600cc.

• Homo bodensis is proposed as being a new candidate of being the ancestor of Homo Sapiens

Researchers are arguing that the fossilized crainm of Bodo is neither classified as *Homo Heidelbergensis* or *Homo rhodesiensis* but rather a new species that gave rise to our own species.

References

- Dorey, A. F. (n.d.). *Homo habilis*. The Australian Museum. Retrieved November 5, 2021, from https://australian.museum/learn/science/human-evolution/homo-habilis/.
- Halsey Cohen"Professional web ninja. Certified gamer. Avid zombie geek. Hipster-friendly baconaholic." .u8f77320bd2b9ddf6be72fb9fc807c741 { padding:0px; margin: 0; padding-top:1em!important; padding-bottom:1em!important; width:100%; display: block; font-w. (2021, November 1). *Homo bodensis dagblad Suriname*. SHSU Houstonian Online. Retrieved November 5, 2021, from https://houstonianonline.com/homo-bodensis-dagblad-suriname/.
- The humans that lived before us. YouTube. (2019, January 29). Retrieved November 5, 2021, from https://youtu.be/_ANNQKKwWGk.
- Nature Publishing Group. (n.d.). Nature news. Retrieved November 5, 2021, from https://www.nature.com/scitable/knowledge/library/hominin-taxonomy-and-phylogeny-what-s-in-142102877/.
- Public Broadcasting Service. (2017, November 13). Scitech now. PBS. Retrieved November 5, 2021, from https://www.pbs.org/video/topography-teeth-ix9xje/.