

What factors caused human evolution?

Activity/Learning Goal	Vocabulary	Our observations & what we think we have figured out	Questions we've made progress on... (Jamboard)
Piecing Together History		Archaeologists piece together bones or artifacts. They don't always have all the pieces. So they have to inference with the evidence they have. They change their minds based on new information.	
What is archaeology?	Artifact Excavate Survey Anthropology Archaeology archaeologists	Find pottery, bones and other artifacts Show them in museums Draw pictures and photograph everything they find Share their learning/findings Piece items together if broken Try to figure out what happened in the past	
How do we know about human origins?	Evolution Bipedal Ancestor homo sapien	Fossils! Modern technology scientists/archaeologists	
What caused human		Climate change made our	

evolution? (Nova Video Becoming Human)		ancestors have to adapt and change. Problem solve Bigger brains=smarter The ones who could adapt survived. Build shelters to stay safe from predators. Skull shape changed. Made room for a bigger brain. Tools!	
What evidence is there for evolution? (Ted Talk)	Vestigial organs: organs left over from evolution that no longer serve a purpose	Fossils from different types of animals Some fossils are closely related to animals we have now. Layers of rock show the type of environment Layers of sediment have different fossils from different times in Earth's history Embryology (common ancestors) Vestigial organs	
What is natural selection? How does it cause change in organisms?			
Hunting & Gathering		Woman and children would	

		collect berries 10–20 hours a week. They would chase the animals off of cliffs. They worked together to surround the animal. Worked together in general. A hunting strategy was that they trapped the animal and waited for it to weaken before killing it. The earliest of humans were scavengers. Make weapons.	
Tool Making		Making tools is not easy. They had to work with the resources they had and figure out the best tool for the job. Tools got more advanced as brains got bigger. Making tools helped their brains get bigger and helped their precision grip & hand/eye coordination. More advanced tools from working together. Better tools = better food (more nutritious) = more energy!	

When we tamed fire		It enabled humans to cook food which made it easier to digest. (Allowed for more nutrients/calories) They were able to move around to different places. (Brought warmth with them.) It allowed them to keep warm. Saved energy. They didn't have to deal with viruses. Used fire to make tools.	
Communication		Less air sacs in the throat over time Hyoid bone attached to tongue (Allowed them to speak vowel and consonant sounds) Bones in the ear changed allowing hearing to change to hear certain frequencies	