

Evidence for Evolution WebQuest

<http://katherine.plager.net>

The Task:

In this evolution WebQuest, your team will investigate different types of evidence for evolution. Your team will be responsible for learning about fossil evidence, structural evidence and genetic evidence for evolution and presenting this information to the class in small groups and whole class discussion.

Materials:

1. Poster Paper
2. Markers
3. Rulers

The Process:

1. You will be assigned to a group of three or four researchers. Each group will specialize either in anatomy and physiology, molecular biology or paleontology.
2. The **Anatomists** will study the anatomy and physiology of organisms. Anatomy has to do with studying the structure of organisms and physiologists study the function of organisms.
3. The **Molecular Biologists** will look at genetics.
4. **Paleontologists** study fossils.
5. Each group will be given a list of websites to study that apply to your specialty.
6. Each group will be responsible for finding four to five examples of evidence for evolution. Find specific examples, so that when you discuss your ideas with the class you have different examples to share. Include the date on which the evidence was discovered. Fill in the graphic organizer "Evidence of Evolution Examples."
7. Each group will "jigsaw," and you will transition to a second small group with one researcher representing each of the three specialties. Each person in the new group will present their evidence for evolution from their perspective to the other members of the group. Copy the graphic organizer on "Evidence for Evolution," onto a piece of poster paper using markers. Fill in the graphic organizer together.
8. Each group will present their chart to the class. You will end class with a whole class discussion on evidence for evolution from the three perspectives.

Evidence for Evolution Examples

Evidence for Evolution	Evidence (Drawing of Descriptions)	Date of Discovery

Evidence for Evolution

Special Areas of Interest	Evidence (Drawing of Descriptions)	Significance
Anatomy and Physiologists		
Molecular Biology		
Paleontology		