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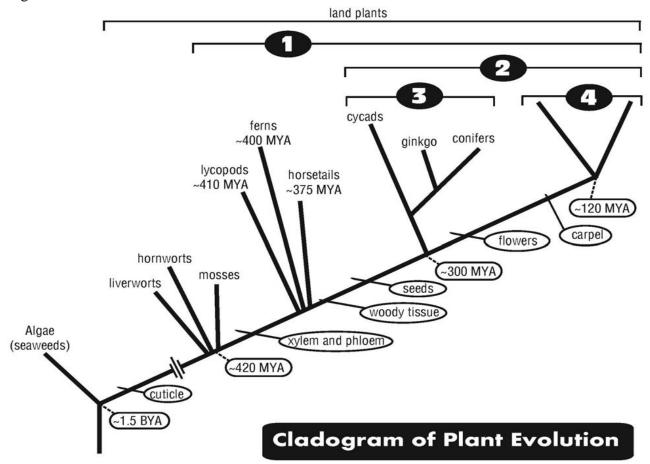


PLANT EVOLUTION WEBQUEST

Click to visit: http://www.natmus.humboldt.edu Click on the "Exhibits link," then click on **A Plant's History** link

1.	: click on left most link: What Makes a Plant a Plant? and scroll down to the TIMI How long ago was the primary evidence of photosynthesis?	
	Estimate: when did conifers appear on the Earth?	
3.	Estimate: when did flowering plants appear on Earth?	_
-	: return to What Makes a Plant a Plant? link. What are four characteristics that make a plant a plant?	
	What is the formula for photosynthesis? Carbon Dioxide++Light Energy->+Oxygen	
	What does the cell wall do for the plant?	
4.	What is the purpose of the cuticle?	
Step 4	: click on The Making of a Seed: Cone or Flower? : click on Gymnosperm (click again to enlarge) What is a Vascular plant? (hint: the answer is at the very top)	
	When did Gymnosperms first arrive on Earth?	
3.	List three examples of a Gymnosperm :	
4.	what is the most common way that Gymnosperms are pollinated? Vascular Plant Non-Vascular Plant	
	: Return to The Making of a Seed	
	: click on Angiosperm (click again to enlarge) Where do Angiosperms keep their seeds?	
	How are these plants seeds pollinated?	
3.	When did Angiosperms appear on Earth?	
4.		
	, and	_•
5.		
		. (Over)

Step 7: Go back to **A Plant's History Home page** and click on **Evolution of Land Plants** link. Step 8: click on the **Cladogram** (branching diagram) showing **Plant Evolution.** Look over the cladogram and fill in terms for 1-4.



Step 9: Below the cladogram on the **Plant Evolution page**, click on the following links.

Click on Angiosperms. What are three ways angiosperms are different than gymnosperms?
 Click on Gymnosperms. What does Gymnosperm mean?
 Click on Conifer. What is a conifer?
 Click on lycopods, ferns or horsetails and list at least one interesting fact.
 Click on liverworts, hornworts or mosses and list at least one interesting fact.

6. Click on *algae* and list at least one interesting fact.