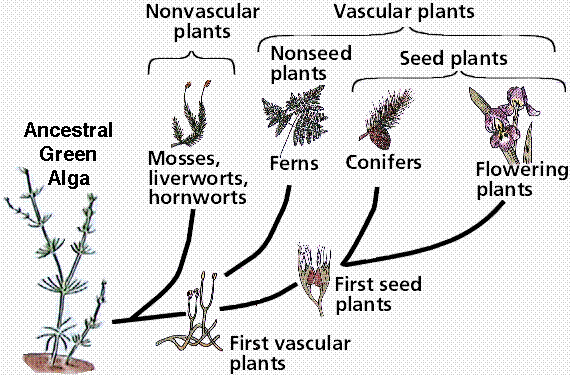
Unit2: Plant Unit Review

Be able to explain this:



What is a phylogenetic tree?

**Tell an Evolution story:**

|  |  |  |
| --- | --- | --- |
| 🞎 Discuss each plant group | 🞎 Add the steps one at a time | 🞎 Explain each step |

|  |  |  |
| --- | --- | --- |
| Tell the story of THE EVOLUTION OF REPRODUCTIVE TISSUE | | |
| Algea:  Reproduction method: | Limitations: | |
| Moss:  Reproduction method: | Limitations: | Advancements: |
| Fern:  Reproduction method: | Limitations: | Advancements: |
| Pine Tree :  Reproduction method: | Limitations: | Advancements: |
| Angiosperm:  Reproduction method: | Limitations: | Advancements: |

What is the difference between ancestral and derived?

* How is a prokaryote like a charophyte?

How does gymnosperms vascular tissue that doesn’t collapse?

How is evolution related to natural selection?

|  |  |  |  |
| --- | --- | --- | --- |
| Moving to land: (TOC13) | | | |
| Why did plants bother? | | | |
| What is the main problem with plants moving to land?  What does desiccation mean? | | | |
| What 2 ways did plants use to deal with this main problem? | | | |
|  | |  | |
| Way they accomplished this: | Way they accomplished this: | Way they accomplished this: | Way they accomplished this: |

Photosynthesis Equation:

|  |  |
| --- | --- |
| 🡺 | |
| Reactants (what goes in) | Products (what comes out) |
|  |  |
| Explain in a sentence: | |
| How are these the same thing and what are they showing?   |  |  |  | | --- | --- | --- | | PhotoResp5 |  | How the same?  What are they showing? | | |

|  |  |
| --- | --- |
| **Light Reaction**  Why called Light Reaction? | **Dark Reaction**  Why called Dark Reaction?  Why is that not entirely correct? |
| Where does it occur? | Where does it occur? |

|  |  |
| --- | --- |
| **ATP** | |
| What is ATP? | Why Have it? |
| What is the difference between ADP and ATP? | |

What is the purpose of glucose?

What is the connection between plants and animals? (3 - Explain) (think of the food web)

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |

**What is a symbiotic relationship, and how are lichen an example of this?**

**Lab Review:**

What is the format of a hypothesis? *Be able to generate one.*

**In the Plant Types Labs –**

Why does the angiosperm not need a cone?

What is the purpose of a flower?

List 3 adaptations that gymnosperms have that allow them to live on land:

|  |  |  |
| --- | --- | --- |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| How does having vascular tissue affect your shape? | 2 types of vascular tissue | |
| Type 1: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 2: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Function: |  |

**In the light intensity’s affect on Photosynthesis Lab –**

What did counting bubbles actually measure?

How does it measure that?

How did light affect the rate of photosynthesis and why?

**In the Spore to Fern Demo – Where does the fern get its mass? –** <https://www.youtube.com/watch?v=2KZb2_vcNTg>

How does the Fern gain mass? –Explain as specifically as you can.

What did that have to do with photosynthesis?

Create your Finals Study Packet:

□ Quiz 1

□ Exam 1

□ Gummy Bear Lab Conclusion

□ Jell-O Lab Conclusion