Unit2: Plant Unit Review

Be able to explain this:



What is a phylogenetic tree?

**Tell an Evolution story:**

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

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| 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?

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| 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? |
| 1.
 |  |
| Way they accomplished this:  | Way they accomplished this:  | Way they accomplished this:  | Way they accomplished this:  |

Photosynthesis Equation:

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| 🡺 |
| 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? |

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| **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?  |

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| **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)

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**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:

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| 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