Unit2: Plant Review *– This will account for 60-70% of your final exam, the last 40-30% comes from unit 1 – please review the last unit quizzes, exams and labs.*

Be able to explain this:



Move to Land

Vascular

Seeds

Flowers

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| --- | --- |
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|  |

What is the difference between ancestral and derived?

How is evolution related to natural selection?

Photosynthesis Equation:

|  |
| --- |
| 🡺 |
| Reactants (what goes in) | Products (what comes out) |
|  |  |

Explain in a sentence:

|  |  |
| --- | --- |
| **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?  |

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)

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

 How are these the same thing and what are they showing?

|  |  |  |
| --- | --- | --- |
| PhotoResp5 |  | How the same?What are they showing? |

**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?

Why have vascular tissue?

How does gymnosperms vascular tissue that doesn’t collapse?

How can you tell that mosses are ancestral to gymnosperms?

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

What was the purpose of the lab?

Why did we measure bubbles when we were really measuring photosynthesis?

How did light affect the rate of photosynthesis and why?

**In the CD Bean Lab –**

What was the purpose of the lab?

How did the bean gain mass? –Explain as specifically as you can.

What did that have to do with photosynthesis?