Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Lab:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| 1. Tell the story of THE EVOLUTION OF REPRODUCTIVE TISSUE | |
| WORD BANK:   1. **Bryophyte** 2. **Charophyte** 3. **Gymnosperm** 4. **Angiosperm** 5. **Pterophyte** | 1. Spores 2. Seed 3. Competition 4. Pollinators 5. Wind 6. Sperm 7. Naked Seed 8. Costs many calories 9. Pine Cone 10. Provide nourishment for the offspring 11. Water 12. Seed Coat 13. Spread the offspring away from the mother 14. Conjugation |
| (#)\_\_\_\_\_\_\_\_\_\_ lives its whole life in water and use \_\_\_\_\_\_\_\_\_\_ to reproduce. The Limitation of this method is that it: \_\_\_\_\_\_\_\_\_\_.  (#)\_\_\_\_\_\_\_\_\_\_ and (#)\_\_\_\_\_\_\_\_\_\_ lives near water and uses \_\_\_\_\_\_\_\_\_\_ to reproduce. The limitation of this method is that it requires them to live close to \_\_\_\_\_\_\_\_\_\_ so that its \_\_\_\_\_\_\_\_\_\_ can swim to the egg.  (#)\_\_\_\_\_\_\_\_\_\_ uses \_\_\_\_\_\_\_\_\_\_ to spread its pollen to the female plant. Once fertilized the embryo of Pine Trees is contained inside a \_\_\_\_\_\_\_\_\_\_ that requires a \_\_\_\_\_\_\_\_\_\_ to protect it. One advantage of this protection method is that it helps to \_\_\_\_\_\_\_\_\_\_ and limits \_\_\_\_\_\_\_\_\_\_ between parent and offspring.  (#)\_\_\_\_\_\_\_\_\_\_ have beautiful flowers to attract \_\_\_\_\_\_\_\_\_\_ . The main limitation to this method is that this \_\_\_\_\_\_\_\_\_\_ . The advantage of this method is that it uses fruit to \_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_. | |

1. Explain what is happening in each of these pictures:

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| O2  Energy  CO2 + H2O |

1. Photosynthesis Equation:

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| Write it out as a sentence: |

1. What do plants “breathe” in and why?
2. What organelle does photosynthesis take place in?

* Where does it have extra surface area and why?

1. Why are plants green?
2. Complete the diagram:

