1. What is a “mer”?

**Activity: Mono and Poly…**

1. Choose a prefix that changes the amount of “mer”s to one.
2. Choose a prefix that changes the amount of “mer”s to two.
3. Choose a prefix that changes the amount of “mer”s to three.
4. Describe how a polymer and a monomer relate.
5. A polymer would relate to a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ in the real world. This is because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.
6. What two elements make up a hydroxyl group?
   1. Ok Smarty-Pants… draw one.
7. What would that hydroxyl group combine with in a dehydration synthesis reaction?
8. What would be the result of the reaction?
9. What molecule would be produced?
10. What does “hydro-” mean? What does “-lysis” mean?
11. What hydrolysis mean?
12. How does hydrolysis affect our body?