



### To Make a Carbohydrate:

1. Color code each monosaccharide piece.
2. Cut out the pieces on the solid line.
3. Place cutouts in a line.
4. Remove the dotted lined pieces.
5. Bond the pieces together keeping the cut out by-products.
6. Glue all the pieces together to form the chain.
7. Glue the by-products on the paper near where they were removed.
8. Label, label, label

Analyze: 1. List the order of your monosaccharides.

2. What is a carbohydrate?
3. Why are they important?
4. What are the three monosaccharides? Disaccharides? 4 polysaccharides
5. What type of reaction forms disaccharides and polysaccharides?
6. What is needed (the reactants) for the reaction?
7. What is the product of the reaction? The by-product?
8. What is the name of the bond that forms between two monosaccharides?
9. What carbons are bonded together?
10. What carbon on a glucose molecule would most likely form the beginning of a chain?