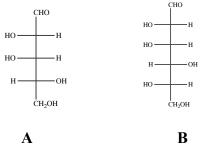
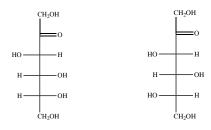
## **Chapter 24 Practice Problems**

- 1. Using Fischer projections, draw all the stereoisomers of naturally occurring aldopentoses.
- 2. Using Fischer projections, draw all the stereoisomers of non-naturally occurring ketohexoses.
- 3. Draw the resulting aldoses from subjecting each of the following to a round of Kiliani-Fischer synthesis.

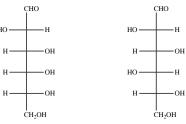


4. The structure of D-fructose is provided below. Draw a Fischer projection for L-Fructose. What is the exact between L-Fructose and D-Fructose? What is the relationshop between D-Fructose and Compound A?



D-Fructose Compound A

5. Draw the structure and then name the pyranose rings formed from the following sugars.



**D-Altrose D-Idose** 

6. Draw the structure of the pyranoside rings formed from allowing the sugar in question 5 to react with ethanol in the presence of an acid catalyst. Mark the glycoside linkages.