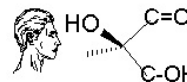
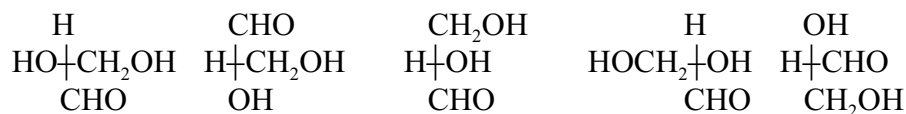


QUESTIONS FOR DGD 2 - WEEK OF Jan 21-25*in addition to your questions....*

Don't hesitate to bring up past stuff! Like water/buffer questions....

1) What is the configuration?:



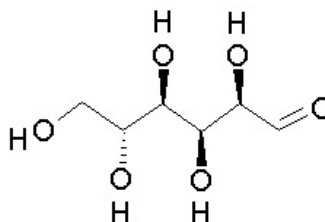
(A) (B) (C) (D) (E)

1a) Can you now **easily** do this with your model?

1b) Can you now do this with your hand model?

1c) Can you now do this visually? (fig on right) Congrats- you've arrived!

2) What is this sugar?



Are zig-zag structures a problem?

If so draw the Hs!

3) Application: One year a girl in this class burned herself. She was at home and she wanted to wash the burn with physiological saline (isotonic NaCl). She only had salt, a spoon, a coffee cup and a pot. Using the principles learned in this class she made up a physiological saline solution for herself. Explain how you would do it! This is a problem from DGD 1- **Can you do it rapidly NOW?**

4) NEW: For question 3, estimate the upper and lower error that she could have made using the following facts:

$$\text{AW Na} = 23 \quad \text{AW Cl} = 34.45$$

Assume that her spoon contained as little as 2g and as much as 7g

A "normal" coffee cup can be as little as 200 ml and as much as 350 ml

5) Applicable questions (applicable means covered to date) in last year's tests 1s (posted at web) - Any questions?
