

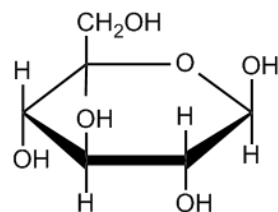
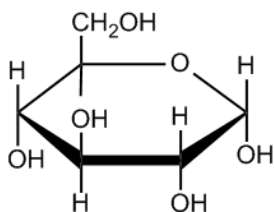
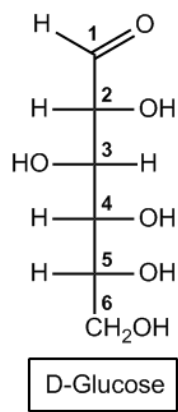
## CONCEPT: MONOSACCHARIDES – HAWORTH PROJECTIONS

Simplified drawings of sugars in their cyclic form, imagining that the ringed structure is planar.

● **NOTE:** The **anomeric carbon** is always drawn at the far \_\_\_\_\_ in Haworth Projections

□ This is true for both pyranose and furanose rings

**PRACTICE:** Properly number the following Haworth Projections. Identify each anomer and predict anomeric equilibrium.



**PRACTICE:** Draw the Haworth Projection that would be expected from cyclization of D-Fructose into α-D-Fructofuranose.

