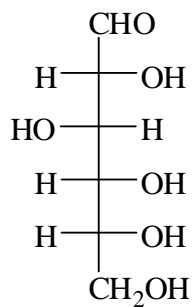


Marks
5

- The open chain form of D-glucose has the structure shown.



Draw the Haworth projection of β -D-glucopyranose.

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Draw the major organic product of the reaction of D-glucose with the following reagents.

1. NaBH_4 2. $\text{H}^+ / \text{H}_2\text{O}$	$[\text{Ag}(\text{NH}_3)_2]^+ / \text{OH}^-$
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Would you expect D-glucose to be water soluble? Why?

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