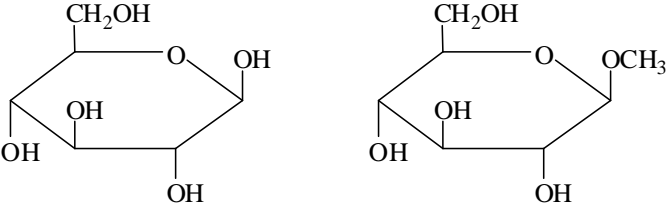




Marks
3

- Using a chemical test, how would you distinguish between the following pairs of compounds? Indicate the reagent you would use and the observations you would make.

Compounds	Reagent and observation
	<p>Tollens' reagent, $[\text{Ag}(\text{NH}_3)_2]/\text{OH}^-$</p> <p>The first compound will cause a silver precipitate to form. No reaction with the second compound as it does not contain hemi-acetal group.</p>
	<p>$\text{Cr}_2\text{O}_7^{2-}/\text{H}^+$</p> <p>Orange reagent will go green with first compound. No reaction with the second compound.</p>
	<p>Br_2 solution.</p> <p>First compound will decolourise the orange/brown Br_2 solution. No reaction with the second compound.</p>