**Oh No! A Quiz!** - In Tutorial Quiz 4 (week 13), you will need to:

- Be able to identify stereogenic centres in organic compounds.
- Be able to identify compounds with an internal plane of symmetry.
- Know how to assign priority to different substituent groups. Assign the $E$ or $Z$ configuration of double bonds using the priority rules. Assign the $R$ or $S$ configuration at a stereogenic carbon atom.
- Given a pair of structures, be able to identify the relationship between the structures as either: enantiomers, diastereomers, constitutional isomers, conformational isomers or identical structures.
- Predict the stereochemical outcome of a chemical reaction and identify the product formed as either the $(R)$- enantiomer, $(S)$-enantiomer, a racemic mixture, an achiral compound or a meso compound.
- Be able to convert a Fischer projection to a Haworth projection for simple monosaccharides. Be able to convert a Haworth projection to a Fischer projection for simple monosaccharides.