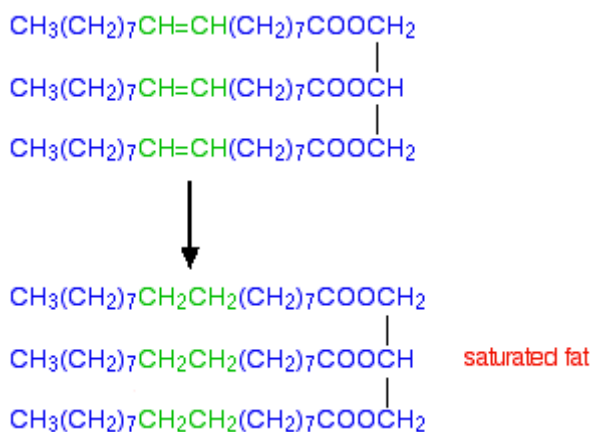


Chemguide – questions

ALKENES: HYDROGENATION

- Give the conditions for the hydrogenation of a simple alkene.
 - Write the equation for the hydrogenation of propene.
- The diagram (adapted from the Chemguide page) shows the conversion of a vegetable oil into a saturated fat.



- What is a *saturated* fat?
- Explain the difference between a monounsaturated fat or oil and a polyunsaturated fat or oil.
- Give the conditions for the change shown in the diagram.
- What is the point of manufacturers doing the above reaction?
- This process can form trans fats. What are trans fats, and why are they undesirable?