

### **Alkanes and Alkenes Exam-Style Questions**

1. Give the name, molecular formula and display formula for the alkane with 5 carbons.
2. Draw 2 isomers of the alkane with 5 carbons
3. Alkanes are saturated, what does saturated mean?
4. Write the equation for the reaction of propane with chlorine. What condition is required for this reaction?
5. What is the functional group in alkenes?

6. Draw the display formula of 2 isomers of butene.

7. You are given 2 test tubes, 1 containing ethene and 1 containing ethane.  
How could you distinguish between the 2 substances?

8. Write the equation for the reaction of propene with chlorine.