

Homework 1 – 3rd Year Revision

1. What is a fuel?

2. What is the difference between an alkane and an alkene?

3. You have been given two samples, one is an alkane and one is an alkene. They look and smell identical. How are you going to tell the difference between them?

4. What is the difference between an exothermic and an endothermic chemical reaction?

5. Why does decreasing the particle size of a solid in a chemical reaction increase the rate of the reaction?

6. Draw full structural formulae to represent these hydrocarbons.

Hexane

Propene