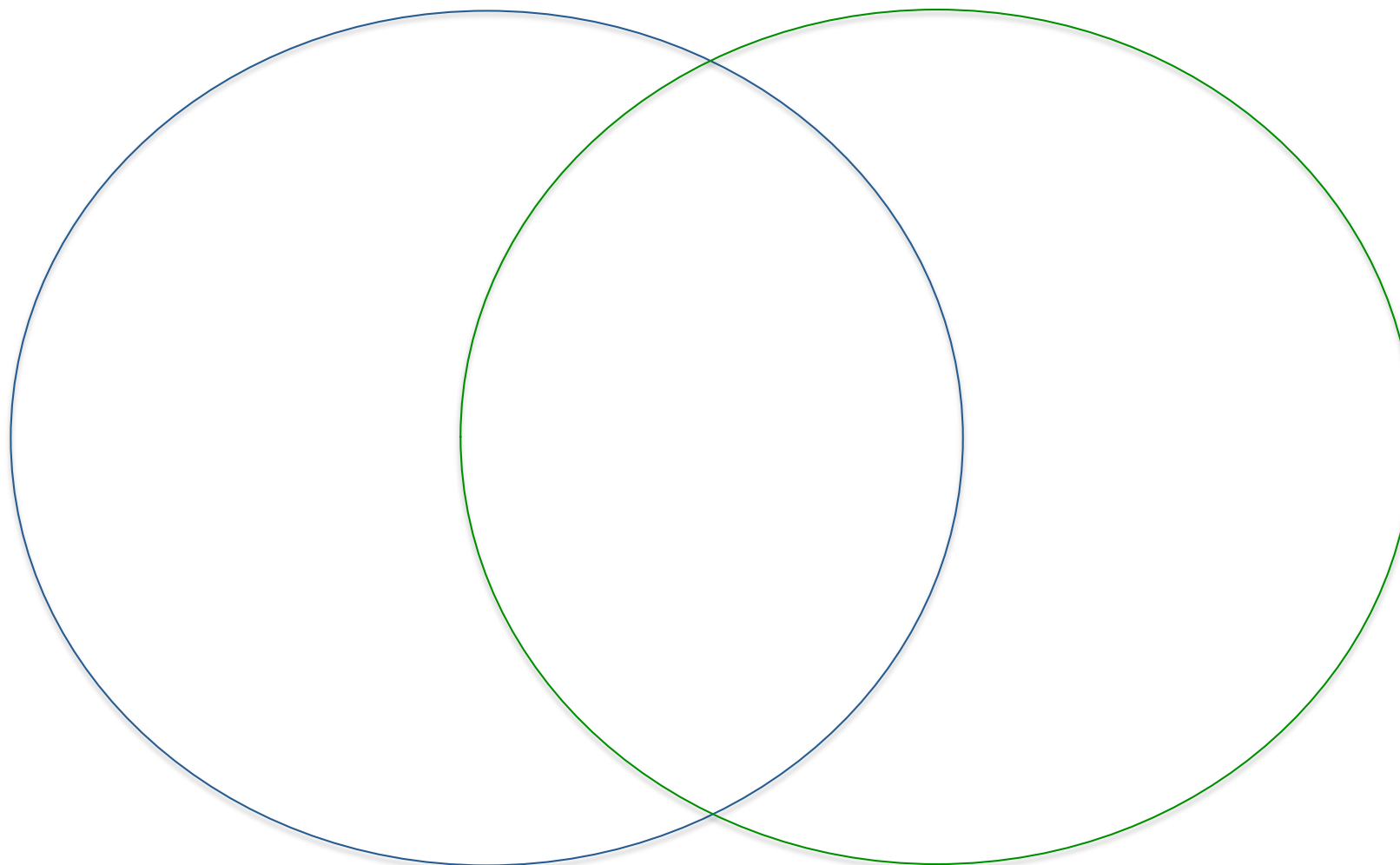


<b>Topic</b>	Alkanes and Alkenes	<b>Level</b>	GCSE
<b>Outcomes</b>	1. To compare and contrast alkenes with alkanes		

# Alkanes and Alkenes: teaching compare and contrast

Alkanes

Alkenes



Neither alkene or alkane	

## Complete the Venn diagram using these terms

Saturated

Double bond

Hydrocarbon

Formed by cracking

Very high melting point

Extracted from crude oil

Reacts with bromine water

Renewable

React with steam to produce ethanol

Belong to a homologous series

Have only single bonds

Contains oxygen

Has the molecular formula  $C_{20}H_{42}$

Carbon atoms form 3 bonds

Contains strong ionic bonds

Covalently bonded

Used as fuels

Decolourises bromine water

General formula  $C_nH_{2n}$

Reacts with oxygen to form carbon dioxide and water