



CRUDE OIL

	20-80°C	80-150°C	150-250°C
appearance	colourless	→	yellow
viscosity	runny	→	more viscous
flammability	very flammable	→	harder to light
smokiness of flame	clean flame	→	smoky flame

- 1) mixture of hydrocarbons
- 2) molecules containing hydrogen and carbon only
- 3)
 - a) fractional distillation
 - b) different boiling points
 - c) oil vaporised; fed into tower that is hotter at bottom and cooler at top; gases rise and cool; condense when they reach their boiling point; condense at different heights with smaller molecules at top
 - d) mixture of hydrocarbons with similar boiling points
 - e) does not boil at one specific temperature, it boils over a range
- 4)
 - a) octane
 - b) eicosane
 - c) octane
- 5) saturated hydrocarbons
- 6) no double bonds / only single bonds
- 7)
 - a) C_5H_{12}
 - b)

