Alkanes only burn in the gaseous state.

- Must be vaporised before burning.
- Used to generate electricity.

Propane is often preferred over natural gas, methane as it can be liquefied under pressure and low temperatures so a large amount can be stored in a small space.

- The liquid alkane will not burn until gaseous state so can be easily and safely transported.

Incomplete combustion:
  - Products could include carbon or carbon monoxide
  - People who use gas boilers or heaters might be unaware of the potential hazard of an inadequate supply of oxygen in a heater.
  - Or inadequate venting of the waste gases.