

# Crude oil and alkanes

Chemistry - Key Stage 4

Organic Chemistry

Miss Mason



# Copy and complete

Crude oil is a \_\_\_\_\_ of lots of different compounds.

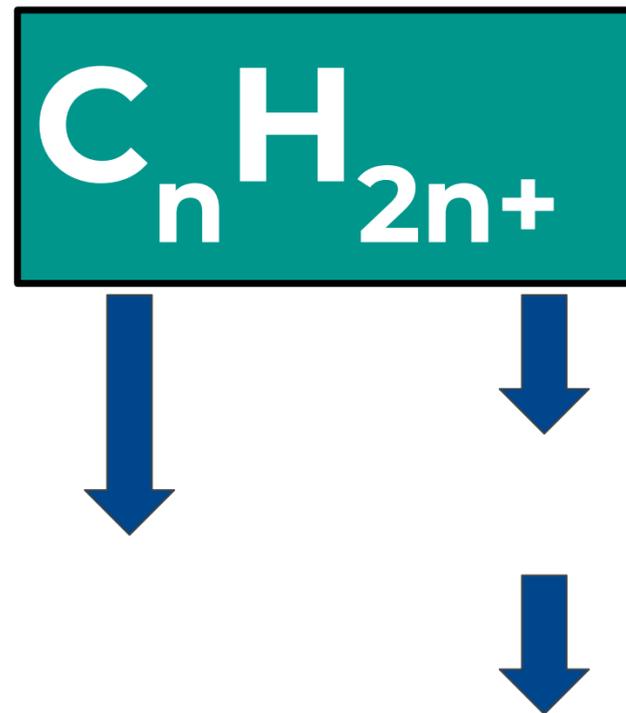
It is a f\_\_\_\_\_ resource made from a\_\_\_\_\_ b\_\_\_\_\_.

Nearly all of them are made out of \_\_\_\_\_ and \_\_\_\_\_ and they are known as a\_\_\_\_\_.



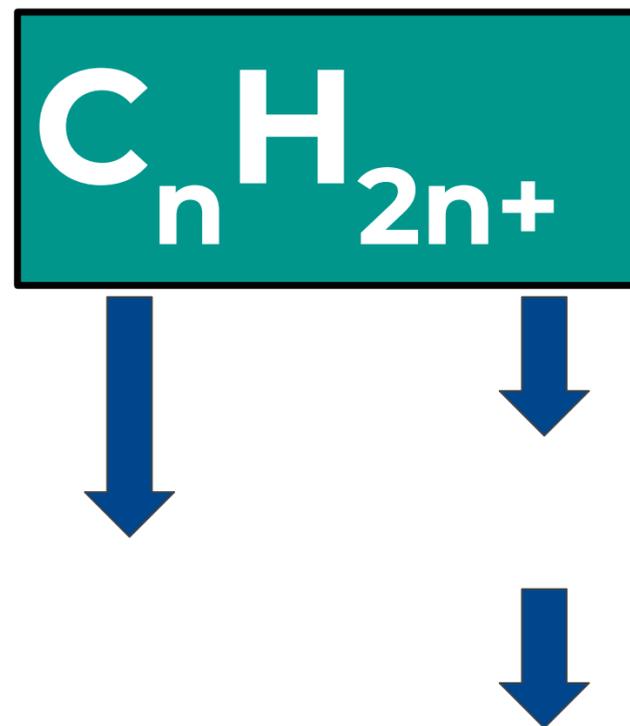
# Formulae of alkanes

Work out the formulae of an alkane that has **40 carbon atoms**



# Formulae of alkanes

Work out the formulae of an alkane that has **50 hydrogen atoms**



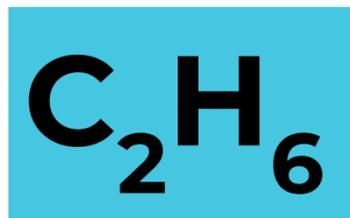
# Formulae of alkanes

***Work out the formulae of an alkane that has:***

1. 14 carbon atoms
2. 76 carbon atoms
3. 68 hydrogen atoms
4. 112 hydrogen atoms



# Drawing alkanes from formulae



# Drawing alkanes from formulae



# Drawing alkanes from formulae



0



# Drawing alkanes from formulae



- 1. Identify and draw the first 4 alkanes in order from smallest to largest.**
- 2. Describe the structure of these alkanes, including the atoms they are made up of and their bonds.**
- 3. Explain how these alkanes are linked to crude oil.**

