

HUTT VALLEY HIGH SCHOOL

CARBON COMPOUNDS AS FUELS

Achievement Standard Science 1.6: Investigate the implications of the use of carbon compounds as fuels:

RESEARCH PART ONE

You are to gather information on the **advantages and disadvantages** of using petrol as a fuel. Petrol is a mixture of alkanes.

Information you gather will be used in your end of unit assessment.

Ideas you should gather information about:

- Is petrol a renewable or non-renewable resource?
- What are the names of different types of alkane fuels?
- What products (emissions) are produced by burning petrol?
- Do these emissions cause air pollution?
- Do the emissions contribute to green house effect, acid rain and ocean acidification?
- Is burning petrol as a fuel a good source of energy?
- What are the costs involved in producing and using petrol?
- Are there any problems (and solutions) with storage and transport?

