

Chemistry 2 Student Workbook Answers to Worksheets

Teacher Notes

UNIT 3

Worksheet 01 Crossword—exploring energy

ACROSS

- 3 Coal seam
5 Enthalpy
7 Exothermic
11 Cathode
12 Renewable
14 Thermochemical
18 Salt bridge
19 Secondary
21 Hygroscopic
22 Fuel
23 Anode

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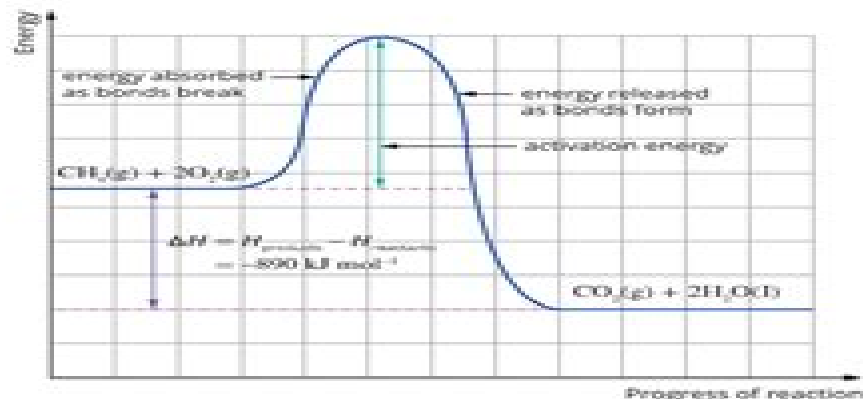
- 1 Galvanic
2 Biofuel
4 Spontaneous
6 Biogas
8 Joule
9 Oxidation
10 Greenhouse
13 Activation
15 Electrolyte
16 Viscosity
17 Reduction
20 Fossil
22 Fuel

Worksheet 02 Combustion of fuels—thermochemical equations and specific heat capacity

- 1 The combustion of fuels releases a significant quantity of energy that can be used as an **energy source**. **Chemical energy** is the energy stored in the bonds between atoms and between molecules arising from attractions and repulsions between subatomic particles. It is called **enthalpy** and is represented by the symbol, ***H***. All combustion reactions are **exothermic** reactions. In such reactions, the enthalpy change, symbol **ΔH** , has a **negative** sign.

$$\Delta H = H_{\text{products}} - H_{\text{reactants}}$$

2



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web mar 27 2018 the diagram of electronic fuel injection for efi circuit might be more complicated however we will explain a basic of efi system schematic with a very simple circuit as shown in the image this circuit consists of three main components they re sensors ecu and actuators

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web gasoline direct injection gdi also known as petrol direct injection pdi is a mixture formation system for internal combustion engines that run on gasoline petrol where fuel is injected into the combustion chamber

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