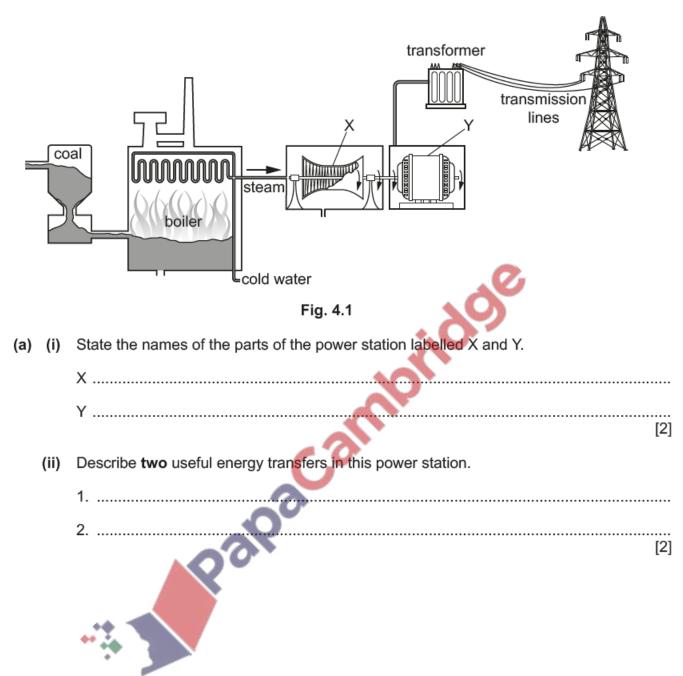
## Energy Resources – 2022 June IGCSE 0625

1.		/2022/Paper_32/No.5 Describe how a wind turbine generates electricity from energy in the wind.
		[3]
	(b)	Apart from cost, state <b>two advantages</b> of generating electricity using wind turbines compared with using a power station that burns coal.
		1
		2
		[2]
	(c)	Apart from cost, state <b>two disadvantages</b> of generating electricity using wind turbines compared with using a power station that burns coal.
		1
		2
		[2]
		[2] [Total: 7]

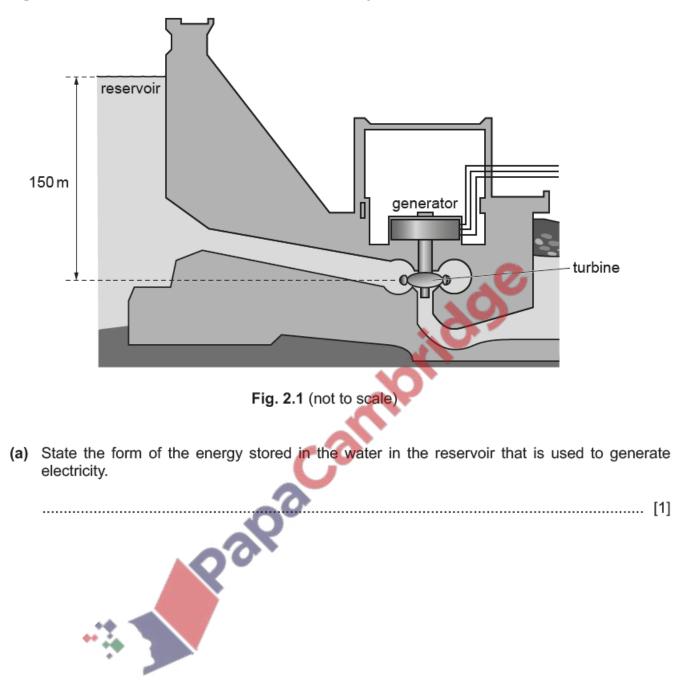
## 2. June/2022/Paper\_33/No.4(a)

Fig. 4.1 shows parts of a coal-fired power station.



## 3. June/2022/Paper\_41/No.2(a)

Fig. 2.1 shows water stored in a reservoir behind a hydroelectric dam.



## 4. June/2022/Paper\_43/No.2

Water is held behind a dam in a hydroelectric power scheme.

- (a) State the main form of energy stored in the water behind the dam.
  - .....[1]
- (b) The water is released from the dam and falls a vertical height of 410 m at a rate of 480 kg/s.
  - (i) Calculate the rate at which energy is transferred by the falling water.

