## -- Question --

The diagram below shows a set-up for measuring the rate of photosynthesis of *Hydrilla* at 20 °C. *Hydrilla* was exposed to different light intensities and the rate of photosynthesis was estimated by counting the number of gas bubbles released per minute.



The results are summarized in the table below.

Light intensity (arbitrary unit)	1	2	3	4	5	6	7
Number of gas bubbles released per minute	5	8	15	21	23	23	22

a	Plot the results on a graph.	(4 marks)
b	Describe and explain the results.	(2 marks)
c	Suggest a method for measuring the rate of photosynthesis that is mo	re reliable
	than counting the number of gas bubbles.	(1 mark)
d	How would the rate of photosynthesis differ if the above experiment	was carried
	out at 4 °C, 30 °C and 60 °C respectively?	(3 marks)

## -- Answer --

