

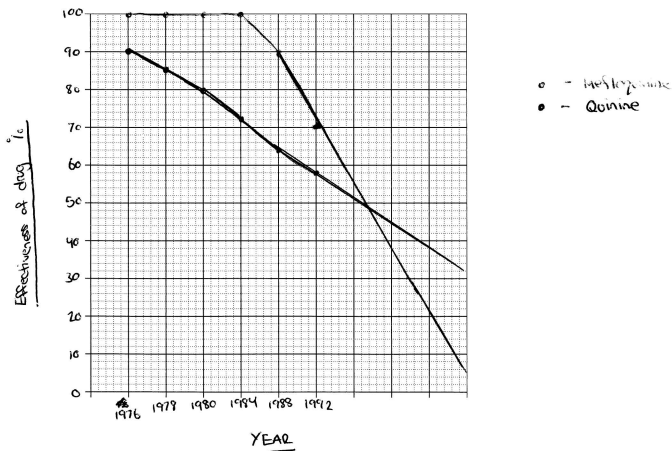
**Question 22** (6 marks)

The following data were recorded about the effectiveness of antimalarial drugs for treating malaria.

Year	Effectiveness of drug (%)	
	Mefloquinine	Quinine
1976	100	90
1978	100	85
1980	100	80
1984	100	72
1988	90	64
1992	70	58

(a) Graph the data on the grid.

3



Question 22 continues on page 11

Question 22 (continued)

- (b) Use these data to explain the impact of human processes on biodiversity.

3

The use of drugs decreases the humans ability to fight off diseases and illnesses naturally, therefore weakening the immune system, which then in time the effectiveness of a drug is reduced as the pathogen becomes immune to it and the body is unable to fight it off due to how weak it has become because of the drugs and the body getting used to them.

End of Question 22