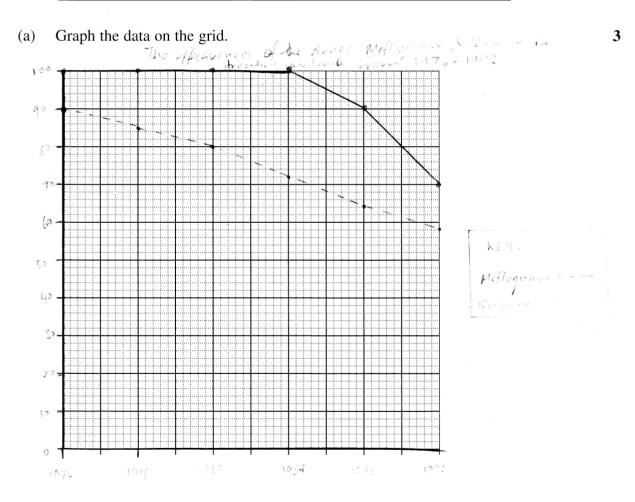
Question 22 (6 marks)

[Noct vire

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

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



Question 22 continues on page 11

- 10 **-**

Question 22 (continued)

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

**Human processes in this instance have decreased biodiversity. In 1976

Malaha

the plasmo dium would have had variation in the population with

Some organisms possessing the favourable haits of anti-malarial drug.

**Possessine & alters not These plasmodiums with anti-malarial restance

would survive & reporture passing on the Characteristic to their officery.

Verstone

One time, the arti-malarial characteristic becomes more tommon in the

population & the organisms without it becomes the number of

plasmodium whout anti-malarial drugs decreases the numbers of

plasmodium whout anti-malarial resistance & thus contributes regulating on

biodiversity.

End of Question 22