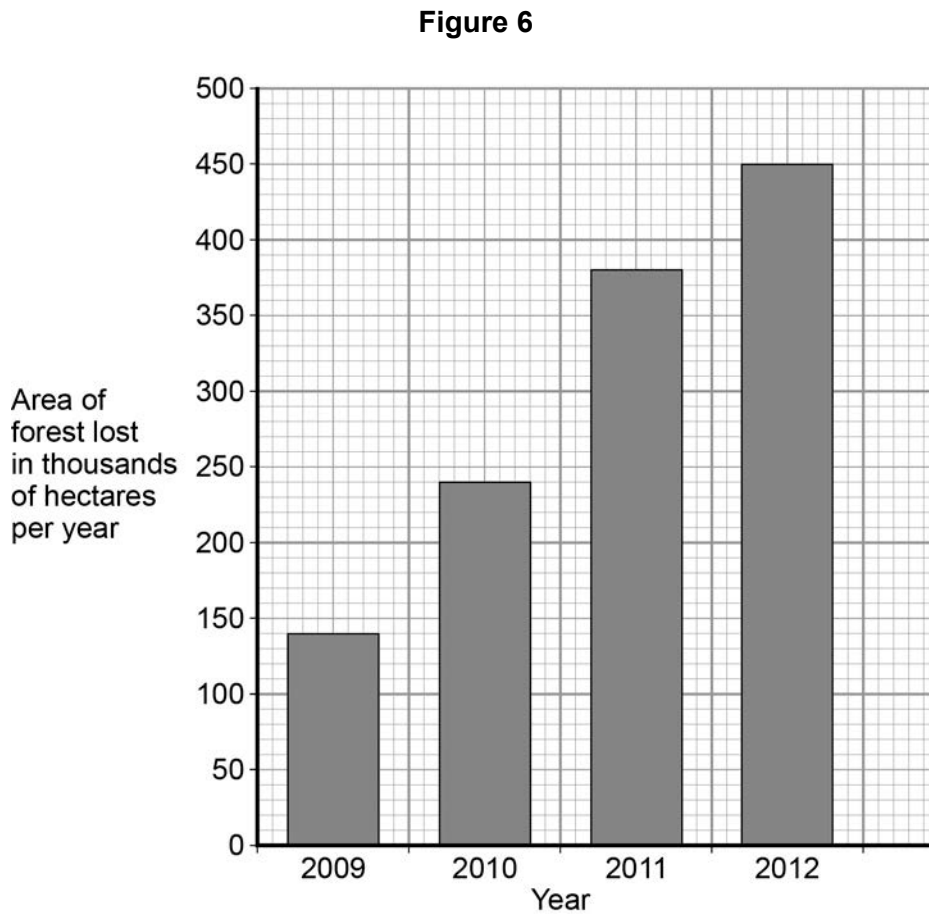


0 5**Figure 6** shows the area of forest lost in Madagascar from 2009 to 2012.**0 5****. 1**

The area of forest lost each year in Madagascar increased between 2009 and 2012.

Determine the total area of forest lost from the start of 2009 to the end of 2012.

[1 mark]

Total area of forest lost = _____ thousand hectares

0 5 . **2** What are the possible reasons for the change in the area of forest lost per year between 2009 and 2012?

[2 marks]

Tick **two** boxes.

The local people stop growing rice

Fewer new houses are needed for the population

The local people decided to farm cattle

More trees have been planted

A company starts growing plants for biofuels

0 5 . **3** More forest was lost in 2012 than in 2009.

Use words from the box to complete the sentences.

[2 marks]

carbon dioxide	excretion	nitrogen
oxygen	photosynthesis	respiration

The increase in the area of forest lost has caused an increase in the gas _____ .

The increase of this gas has been caused because less of the gas is being absorbed by plants for the process of _____ .

Question 5 continues on the next page

0 5 . **4** Deforestation can have negative effects on our ecosystems.

What are the negative effects of deforestation?

[2 marks]

Tick **two** boxes.

Animals and birds migrate because there is less food

More habitats are destroyed

There is less acid rain

There is more biodiversity

The global temperature decreases

0 5 . **5** Scientists try to reduce the negative effects of human activity on our ecosystems.

One way is to protect rare habitats.

Give **one other** way of reducing the negative effects of human activity on our ecosystems.

[1 mark]

Question 5

Question	Answers	Extra information	Mark	AO / Spec. Ref.
05.1	(140 + 240 + 380 + 450 =) 1210		1	AO2/2 4.7.3.4
05.2	the local people decided to farm cattle		1	AO2/1 4.7.3.4
	a company starts growing plants for biofuels		1	AO2/1 4.7.3.4
05.3	carbon dioxide	in this order only	1	AO1/1 4.7.3.4
	photosynthesis		1	AO1/1 4.7.3.4
05.4	animals and birds migrate because there is less food		1	AO1/1 4.7.3.4
	more habitats are destroyed		1	AO1/1 4.7.3.4
05.5	any one from: <ul style="list-style-type: none"> • breeding programmes (for endangered species) • regeneration (programmes) • reintroduction of field margins / hedgerows • awareness raising with politicians / public • recycling 		1	AO1/1 4.7.3.6
Total			8	