

- 5** Study Fig. 1 which shows data from an environmental impact survey of a proposed new by-pass around the village of Ponteland in Northumberland.

Fig. 2 is an Ordnance Survey map extract showing the location of the proposed new route.

- (a)** Using Fig. 1, state which of the construction features has the largest environmental impact on local business. [2]
- (b)** Using Fig. 1, contrast the impact of site vehicles on the environment with that of traffic. [4]
- (c)** Using evidence from Fig. 2, suggest land uses on which the proposed by-pass will have an impact. [6]
- (d)** The local residents in Ponteland have set up a committee to argue against the new by-pass on the grounds of environmental conservation.

Assess the value of Figs 1 and 2 in helping this committee to support their case. [8]

- 6 (a) Study Fig. 3 which shows discharge of nitrogen into Scottish marine areas from industry, sewerage treatment works and rivers from 2000 to 2005.

Using Fig. 3, compare the trend of nitrogen discharge from industry with that from rivers between 2000 and 2005. [5]

- (b) 'Successful conservation must focus on preventing change rather than reacting to change which has already occurred.'

From your wider study of conservation, to what extent do you agree with this statement? [10]