

National 5 Biology

Human Impact on the Environment

1. Give two reasons for the human population continuing to grow. (2)
2. Name two ways that humans are trying to increase the food production to cope with the rising population. (2)
3. Write down 2 advantages and 2 disadvantages of monocultures. (4)
4. How do algal blooms come about? (2)
5. Explain how algal blooms cause the oxygen concentration to decrease. (2)
6. What is an indicator species and give two examples. (3)
7. Why do farmers need to use fertilisers? (1)
8. Name two minerals which are found in fertilisers. (2)
9. A group of pupils decided to carry out a survey on 2 different streams. Their results are shown in the table below.

Animal	Numbers of animals found	
	Stream 1	Stream 2
Sludge worm	67	5
Bloodworm	84	4
Water louse	60	5
Mayfly larva	0	15
Stonefly larva	0	20
Caddis fly larva	2	26

- (a) Use the information in the table to draw a bar chart for both streams, using the same axes. (4)
- (b) What is the percentage of mayfly larva in stream 2? (2)
- (c) What is the ratio of water louse in stream 1 to stream 2? (1)

Total = 25