

B3 – Humans & the Environment Quiz

1. Give two functions of air bubbles in a fermenter that grows *Fusarium* fungi used to produce mycoprotein
2. Why is glucose entered to a fermenter that grows *Fusarium* fungi used to produce mycoprotein?
3. What causes a fermenter to heat up?
4. How is contamination of a fermenter by microorganisms prevented?
5. Farm animals give off large amounts of methane. What is the effect of methane on the atmosphere?
6. Name the process that produces the methane in biogas.
7. Explain how clearing forests and replacing the forests with palm oil trees to produce fuel for motor vehicles will affect the composition of the atmosphere.
8. Describe the processes that occur in the biogas generator.
9. Give three ways in which the efficiency of human food production can be increased.
10. Give two ways in which global warming might affect species on a worldwide scale.
11. Why do large supermarkets often import fruits and vegetables from abroad instead of the UK?

12. Why is importing fruits and vegetables from abroad environmentally damaging?
13. Explain why rain forests are being burnt to provide land for crops in many parts of the world.
14. Why does cleared rain forest land often produce crops for only a few years?
15. What is the principal source of the 'human-made' methane in the atmosphere?
16. Give two reasons why rain forests are being cut down at an increased rate.
17. How does deforestation affect the composition of the atmosphere?
18. Describe how hormones can be used to improve the efficiency of producing food from plants.
19. Give one method by which fish stocks can be preserved.
20. Explain why some consumers will not buy tuna that has been grown on fish farms.
21. Explain why the final decision on how many cod the fishermen are allowed to catch may not depend entirely on data produced by scientists.
22. What human activity releases sulphur dioxide into the atmosphere?
23. What effect does sulphur dioxide have on rain water?

24. What effect does sulphur dioxide have on plants and animals?

25. How do gases produced in towns make lakes much more acidic in country areas?

26. Give two reasons why it would be better to eat mycoprotein instead of beef.

27. Give one reason why it would be better to eat beef instead of mycoprotein.