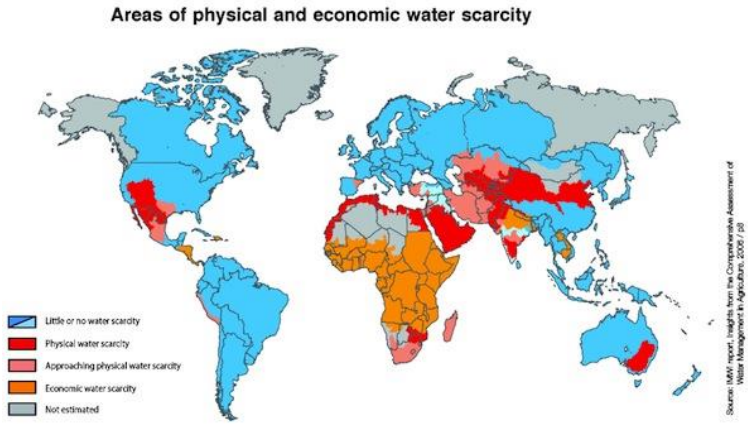
Resource Management

1. Study Figure 1 showing patterns of water scarcity globally

Figure 1



Outline what is meant by the term inequality. (2 marks)

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2. Explain how the UKs demand for all year round fruit and vegetables influences the sources of our food. (4 marks)

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3. What is organic food? (2 marks)

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4. How has a growing demand for organic food changed the way the UK supply and demand for food? (4 marks)

5. Define the term 'agribusiness' (2 marks)

6. Describe how agribusiness has affected UK agriculture. (2 mark)

7. Explain how agribusiness has changed the size of a typical UK farm. (4 marks)

8. Study Figure 2 which shows possible sources of water pollution in the UK

Figure 2

With reference to Figure 2, explain how water could become polluted. (4 marks)

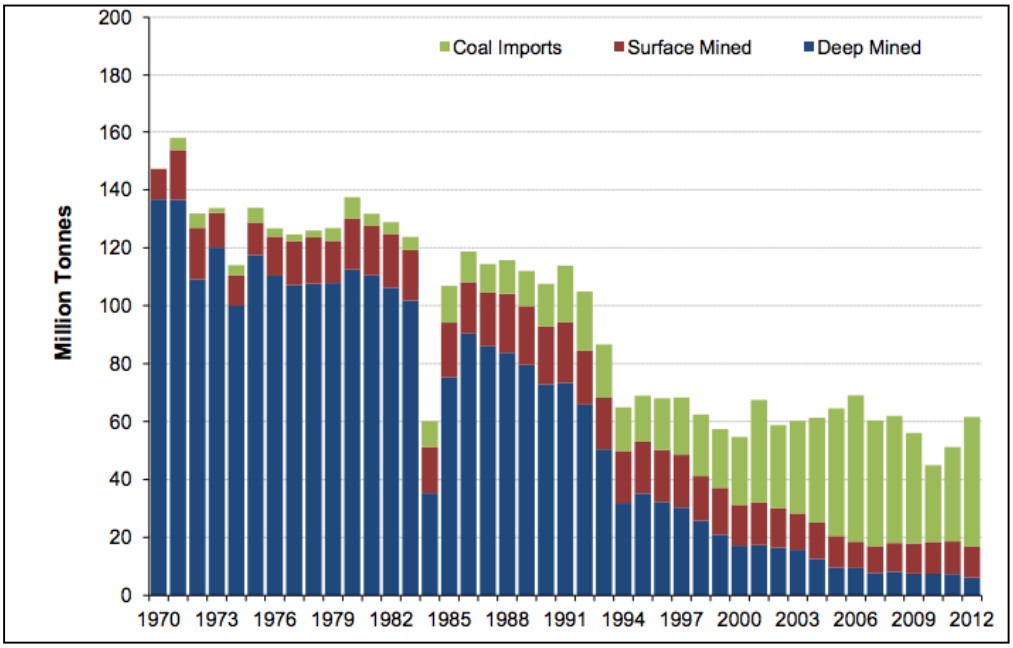
9. Explain how water quality in the UK is managed. (4 marks)

10. Discuss why the water deficit in some areas of the UK is increasing. (6 marks)

11. Outline why some areas of the UK have a water surplus (2 marks)

12. Describe how the energy mix of the UK has changed over the last 40 years. (4 marks)

13. Study Figure 3, UK coal supply 1970 - 2012



13. Using Figure 3 and your own knowledge, explain how the UK has responded to reduced domestic supplies of fossil fuels. (4 marks)

Option : WATER

14. Explain one way in which economic development leads to increased water consumption (4 marks)

15. Identify two factors that affect water availability in different world regions. (2 marks)

16. Explain one way in which population growth can lead to increasing water consumption .

(4 marks)

17. Outline what the term 'over-abstraction' means in relation to water supply. (2 marks)

18. Study Figure 3 showing impacts of water insecurity.

Figure 3

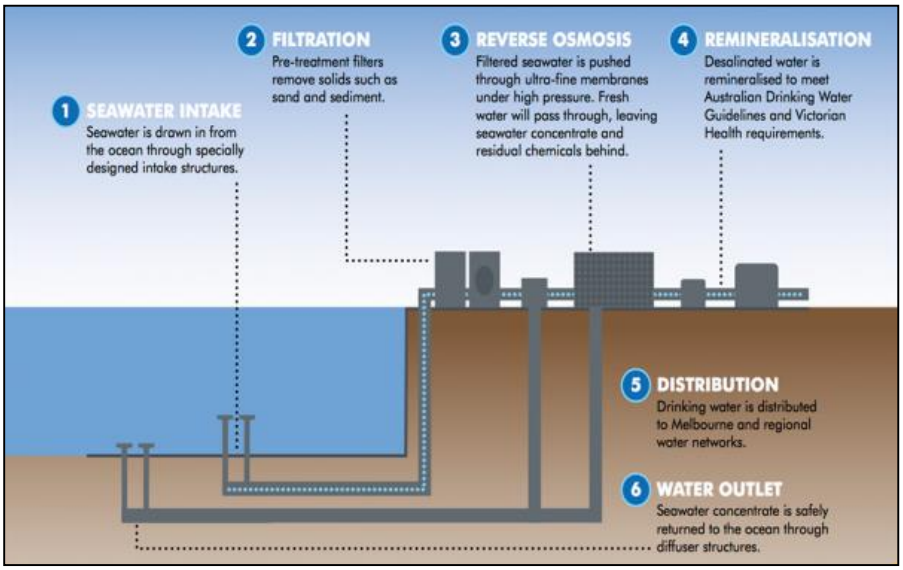
18. Discuss the potential impacts of water insecurity across the world. (6 marks)

19. Compare two strategies that can be used to increase water supply (4 marks)

20. Outline an impact of water insecurity on industry (2 marks)

21. Study Figure 4 which shows desalination to increase water supplies.

Figure 4



Using Figure 4 and your own knowledge, explain the advantages of using desalination to increase water supplies. (4 marks)

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22. Contrast the benefits of using dams and reservoirs with water transfers to increase water supplies. (4 marks)

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23. Explain how water insecurity could lead to conflict. (4 marks)

24. Contrast the advantages and disadvantages of using dams and reservoirs to increase water supplies. (4 marks)

25. Outline how a water transfer scheme can be used to increase water supplies. (2 marks)

26. Study Figure 5 which shows a water diversion project in California USA to supply water to Los Angeles.

Figure 5

With reference to Figure 5 and your own knowledge, explain the benefits of diverting water supplies and increasing storage to provide water supplies. (4 marks)

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27. Outline **two** reasons why groundwater management helps create sustainable water supplies

27. Outline **two** reasons why groundwater management helps create sustainable water supplies (4 marks)

Reason 1

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Reason 2

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28. With reference to an example, describe the benefits of using groundwater management to provide a sustainable supply of water. (4 marks)

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29. What does the term 'water conservation' mean? (2 marks)

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30. Outline what the term 'grey water' means (2 marks)

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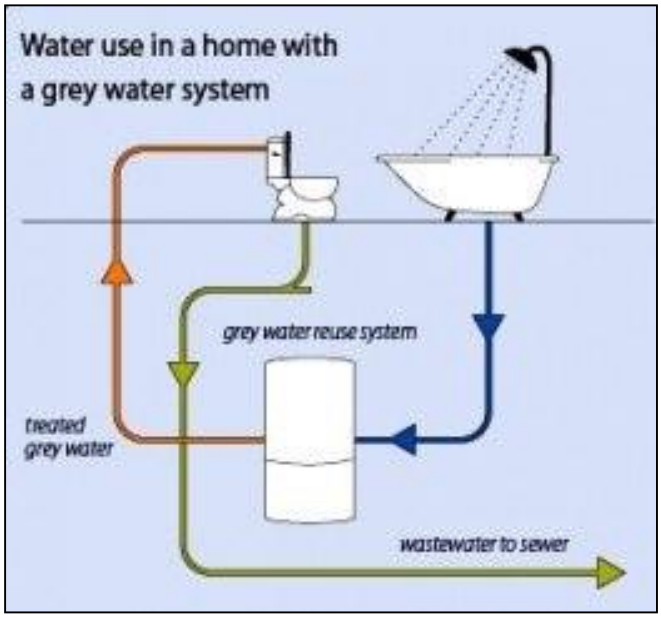
31. Study Figure 6 which shows a grey water system

Figure 6



With reference to Figure 6, explain why grey water is sustainable (4 marks)

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32. Which one of the following is the most accurate definition of water recycling? (1 mark)

a) Artificially adding water to reservoirs

b) Reducing water consumption by using water more efficiently.

c) Reusing water that has already been used by homes or businesses

d) Using water without artificial chemicals.

33. For an example of a local scheme in an LIC or NEE, to what extent has the scheme increased sustainable supplies of water ? (6 marks)

34. For a named example of a large scale water transfer scheme, evaluate whether the benefits of the scheme outweigh the costs of the scheme. (6marks)