

APES Chapter 12 and 13 Study Guide

1. Define the following terms: Hydroponics, Alley cropping, perennial polyculture, Cover crops, Undernutrition, Malnutrition, Poverty, Water table, Groundwater recharge, Zone of saturation, Aquifer, Subsidence.
2. Dangerous strains of disease can develop from which type of agriculture practices?
3. What is the disadvantage of farm raised salmon?
4. Know all the soil layers by their corresponding letters.
5. What is the connection between meat production and air pollution?
6. What are the disadvantages of GMO crops?
7. Name a chlorinated hydrocarbon that was featured in Silent Spring.
8. Know the 1996 Food Quality Protection Act. What was its intent?
9. The greatest use of water is for which use?
10. Name 4 solutions to ground water depletion.
11. Summarize the Aral Sea disaster.
12. List 4 solutions to domestic water conservation.
13. Know the process of desalination.
14. List 4 ways to improve water-use efficiency in agriculture.
15. List 4 ways to reduce the impacts of floods.
16. Describe organic agriculture. What are the characteristics?
17. On in _____ people worldwide suffer from a deficiency of one or more vitamins and minerals.
18. Anemia is a deficiency in?
19. Name 10 of the top 10 causes of death from disease related to diet.(United States)
20. What type of Ag is most characteristic of developing countries?
21. The first and second green revolution were based on what?
22. Name 4 problems associated with irrigating crops.
23. What % of the world's water supply is available to living organisms?
24. List 4 reasons that humans cause water shortages.
25. Which area of the US is the most water deficient?
26. Saudi Arabia gets the majority of their water from?
27. The US is withdrawing the groundwater _____ times faster than it can be recharged.
28. Developing counties use which 4 low-tech methods for irrigation?
29. Know integrated pest-management approach and which policy is emphasized.
30. What are the three major sources of nutrients and calories for global human consumption?
31. Know the soil triangle and how to read it.
32. Know that DDT can act as an endocrine disruptor. It has the most negative and persistent impact on an ecosystem.
33. Where the greatest amount of freshwater found?
34. Know soil components and their ability to hold water or permeability.

35. Which is the best agricultural practice to minimize soil erosion?
36. Which agricultural method results in the least amount of water evaporation?
37. Name 4 ways to increase food production in the future.
38. Why is agricultural production on floodplains relatively high?
39. What are the economic benefits of building large dams?