

Chapter 20

1. What is an example of a stimulant psychoactive drug?
" " " " " " hallucinogenic " "
" " " " " " depressant " "
2. What is the genus and species names of the opium poppy? From where in the plant is opium obtained and how? What are the old and traditional ways of using opium? What is laudanum?
3. What were the opium wars? How did they come about?
4. What are the 2 most important alkaloids in opium? Which one is a cough suppressant? What is heroin? Why is it more dangerous than originally thought?
5. What is the name of the plant which produces marijuana? What 3 uses does the plant have other than its use as a hallucinogenic? Is the plant monoecious? Where on the plant is the highest concentration of the active substance produced? Which 2 ancient cultures have recorded the earliest use of marijuana? What is hashish?
6. When did marijuana get introduced into the U.S. and probably from where? Why is there such a thing as "medical marijuana?"
7. Cocaine comes from a plant native, where? Why would one use lime with the plant part you just named? Cocaine was used in medicines for asthma, colds and hay fever because it can do 2 things: name them.
8. Where did the popular drink CocaCola originate? What are crack-cocaine, and freebase? Why are they so popular with addicts? What are cocaine's medical uses?
9. What is the name of the tobacco plant? Where is the main species native? What are the 3 ways tobacco is used? Who was the explorer who first introduced it on his return from a voyage? What plant part produces tobacco? What are its health risks?
10. What general kind of plant is Peyote? Where is it native? How is the plant processed? How does it relate to the Native American Church? What is its most active hallucinogen?
11. Kava is prepared from what plant part? The plant is related to a common spice called..... How does one consume Kava? What is a potential health problem with Kava?
12. What alkaloid is the most widely used psychoactive substance in the world?

Chapter 21.

1. What is the answer to the question: "Why are so many plants poisonous?" Curare, the South American arrow poison, acts by doing what to a human?
2. What 2 Native American plants in the same family, the parsley family, are poisonous? What is the connection between Monarch and Viceroy butterflies and bird predators?
3. What is the name of the acid in some lichens that has been used in some weight-loss supplements?
4. What is allelopathy? What do walnuts and California sagebrushes have to do with it?
5. Name 4 common garden plants which are toxic? Some house plants, like Philodendron, etc., contain toxic crystals of what chemical?
6. What did the mother of Abraham Lincoln consume that caused her death?
7. Which plant family is the foremost in causing mechanical injury?
8. What 2 advantages as far as humans are concerned, do botanical insecticides have?
9. From what kind of plant is pyrethrum derived? What is its action on insects? From what plant is rotenone derived? A product from an Indian and Burmese tree, called (common name) _____ is even used to fight tooth decay.
10. How are these words: "allergen, antibody, and antigen" related?
11. What is the more proper term for "Hay Fever?" Plants causing this have pollen distributed by _____. Where are pollen allergens located? What is the common name of the most notorious hay fever plant? What are some other kinds of plants causing "Hay Fever?"
12. What is phenology? What is the common name of the most common plant causing contact dermatitis? Where is it native? What is the nature of the chemical causing a reaction? Where in the plant is it located?
13. Allergies to what foods are the most studied?

Chapter 24

1. What is the genus name of the yeast used to make wine?
2. Name 2 ancient cultures where an alcoholic beverage was produced.
3. What 2 discoveries associated with wine-making did Pasteur discover? In what century?
4. What is the Latin name for the preferred wine grape? Where is it native? What other species, native to North America, can be used to make wine? What is the genus name of the aphid that can destroy grape vines? How can this pest be thwarted?
5. How long can grape vines be productive? Which 2 sugars accumulate in grape fruits? What other chemicals accumulate in grape fruits?
6. What is the difference between "must" and "pomace?" What makes for a white wine? What makes for a red wine? What does adding SiO_2 to grape juice do?
7. What does temperature have to do with the 2 general kinds of wine being produced? How long is the fermentation period? What is the average final alcohol concentration in most wines? What does clarification accomplish? What are some of the clarifiers?
8. What is the difference in length of time of ageing between red and white wines? What can happen if *Acetobacter* gets into a bottle of wine?
9. What is the difference between champagne and ordinary wine? What is a synonym for champagne? When was the method of making champagne invented? What does it mean to fortify a wine?
10. What basically, is beer? How ancient is beer production? What is the plant carbohydrate source for most beers? What is the actual carbohydrate in that source? Can yeast consume that carbohydrate? What is malt? What is mash?
11. What is wort? What are hops? To what more famous plant is it related? What 3 things do hops contribute to beer? What is the difference between lagers and ales? What is the average alcohol content of beers?
12. What is sake? What cereal is used in its manufacture? What plant material is used in place of malt in sake production? What is its alcohol content?
13. When was distillation developed? By whom? How does distillation "work?" What is the difference between gin and vodka? What is their average alcohol content? What gives Scotch whisky its distinctive taste? What was the "whiskey rebellion" all about?
14. What plant (genus name only) is involved in Tequila production? What part of the plant is used? In addition to drink, what else can this plant be used for? How are pulque, agumiel, mezcal, and Tequila related? What is the primary plant carbohydrate use (error in the book here, can you detect it)?
15. What plant (give genus name only) is used to infuse Absinthe? How did the Romans use this plant? What is the approximate alcohol content of Absinthe? What can happen to a person who consumes Absinthe?
16. Is it possible for a fetus to show any results from the mother who drank alcohol heavily during pregnancy? Is there any good that comes from drinking alcohol? What? What is resveratrol?
17. What are some of the advantages fermented foods have? What is quorn?

End.