

Bio. Sci. 103 Study Questions from the TEXT:

Chap. 13

1. With what kind of organism are legumes' high protein content correlated and where are they found?
2. How and why are legume crops involved with other crops such as maize?
3. What is favism and how is it associated with legumes?
4. What is cytoplasmic inheritance?
5. Where are peanuts native and why are they also called ground nuts?
6. About 1/2 of the peanut crop is used to make what?
7. Where are soybeans native?
8. Can you eat raw soybeans? What is tofu?
9. What do soybeans have that is medically interesting?
10. How do soybeans compare nutritionally with other legumes?
11. A legume tree is called a "super-tree," why?
12. What is a forage crop? Which one is best known and most widely grown?
13. Why is there a section at the end of the chapter called "Beans of the Future?"

Chap. 14

1. How are most starchy staple plants propagated?
2. Underground modified stems can be rhizomes, tubers, bulbs, corms, tuberous roots or tap roots. How are they different from one another?
3. What is the "Story of the Banana" all about? Where are they native? What is the term used to describe banana fruit formation?
4. What is the Latin name of the white potato? Where is it native?
5. What do the Irish have to do with the white potato? Which country produced the largest crop?
6. Where is the sweet potato native? Which vitamin is richly supplied by it?
7. What is the Latin name for cassava? Where is it native?
8. What is the "problem" with the bitter varieties of the cassava?
9. What are some non-food uses for starch?
10. In what kind of climate do yams grow best?
11. With which state of the U.S. is taro associated?
12. Where is the Jerusalem artichoke native? It has no starch. What carbohydrate does it have instead?

Chap. 15

1. What is "artificial selection?" What do broccoli, Brussels sprouts, cauliflower, etc., have in common?
2. What is the "Green Revolution?" What went wrong with it?
3. What is negative about "monoculture?"
4. What are the 3 main crops that provide over 50% of the calories from plants in the human diet?

5. Name some new foods with high potential for becoming food staples.
6. With what food was the "Mutiny on the HMS Bounty" associated?
7. What are the 2 main traits that are in genetically modified crops?
8. What is Bt corn? What is Golden Rice? What was the goal in genetically modifying soybeans?

Chap. 16

1. What single overall effect does caffeine have on humans?
2. What is the Latin name for the coffee plant? Where is it native?
3. What happens to coffee fruits after picking?
4. What is the newest method of decaffeination of coffee?
5. What is "Fair Trade Coffee?"
6. Where is the tea plant native? What are the steps in tea processing?
7. What health benefits does tea drinking have?
8. Why is chocolate called "Food of the Gods?" How does this influence its Latin name?
9. Where is the chocolate plant native?
10. What are some of the health benefits of chocolate?
11. What is the "High Price of Chocolate" about?
12. What seeds and from where is the world's most (probably) soft drink flavored?