

Name: _____

Unit 1 Assessment: Introduction to Food Science

DIRECTIONS:

On the lines provided, write the letter that represents the correct definition (listed on the right side of the paper) for each vocabulary word.

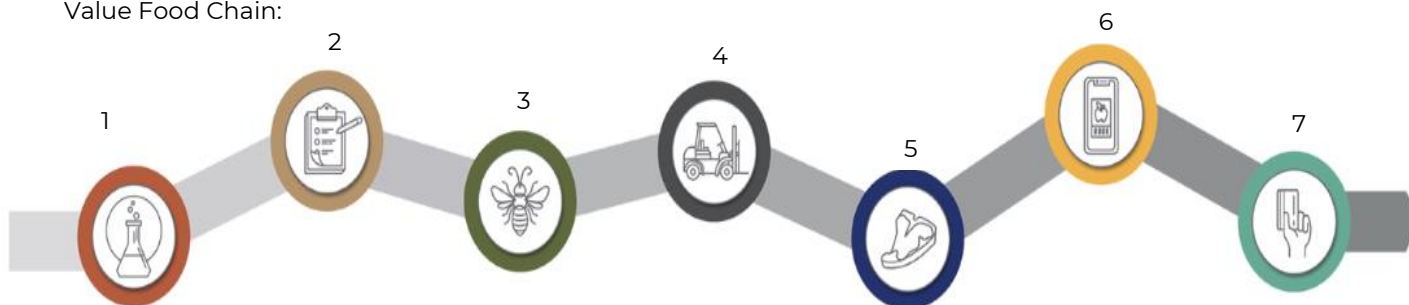
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|-------------------------------|--|
| 1. ___Capitalism | A. Prices that balance the supplies of and demand for goods and services. |
| 2. ___Supply | B. "How much of something you have" |
| 3. ___Demand | C. Can influence consumer choice |
| 4. ___Equilibrium Prices | D. A consumer's likes and dislikes will ultimately shape purchasing decisions. |
| 5. ___Market-Clearing Price | E. A change in the physical state or form of the food product |
| 6. ___Marketing Campaign | F. There are no shortages or surpluses. |
| 7. ___Food Science | G. Packaged food items such as breakfast cereals, granola bars and snack crackers. |
| 8. ___Prepackaged Food Item | H. The market itself plays a large role in purchasing decisions made by consumers. |
| 9. ___Economic Campaigns | I. The people that the consumer surrounds themselves with play a large role in purchasing decisions. |
| 10. ___Personal Preferences | J. How much of something people want |
| 11. ___Group Influences | K. Foods that are cleaned, packaged and ready to eat as is. |
| 12. ___Purchasing Power | L. Regardless of the product, if it does not fit within the purchasing power of the consumer, they cannot purchase the product. |
| 13. ___Quick-Food Item | M. Trade/industry is not controlled by the state. |
| 14. ___Value-Added Food | N. A multi-disciplinary field that involves chemistry, nutrition, microbiology, etc. to provide knowledge in solving real-world problems in the food systems industry. |
| 15. ___Commodities | O. A basic good used in commerce that is interchangeable with other goods of the same type. |
| 16. ___Ready-to-Eat Product | P. Foods that are prepared quickly. (Fast food chains are an example.) |
| 17. ___Heat-and-Serve Product | Q. Foods that are cleaned, packaged and ready to eat after heating. |

Name: _____

DIRECTIONS:

Answer the following questions. Provide in-depth answers and examples where indicated.

- 1) Provide an example of a value-added food item and describe what makes that food item a “value-added” product.
- 2) Describe the overall purpose of the National FFA Food Science and Technology Career Development Event.
- 3) Describe how you have impacted the food industry based on the choices and decisions you have made as a consumer. Provide 2 specific examples.
- 4) Using the numbers below, briefly define each of the stages (as indicated by the pictures below) of the AFNR Value Food Chain:



1)

2)

3)

4)

5)

6)

7)

Name: _____

KEY: Unit 1: Introduction to Food Science STUDENT ASSESSMENT

NOTE: Terms are matched with the correct definition found directly to the right of the term.

1. M Capitalism
2. B Supply
3. J Demand
4. A Equilibrium Prices
5. F Market-Clearing Price
6. C Marketing Campaign
7. N Food Science
8. G Prepackaged Food Item
9. H Economic Campaigns
10. D Personal Preferences
11. I Group Influences
12. L Purchasing Power
13. P Quick-Food Item
14. E Value-Added Food
15. O Commodities
16. K Ready-to-Eat Product
17. Q Heat-and-Serve Product

Name: _____

1) Provide an example of a value-added food item and describe what makes that food item a “value-added” product.

Answers will vary; students should mention items that have been changed from their original form and made into a valuable product for human consumption. Example: Wheat made into flour, then made into bread items. Corn made into corn syrup and then used in food items such as beverages and snacks.

2) Describe the overall purpose of the National FFA Food Science and Technology Career Development Event:

Exposes students to in-depth understanding of food product development, food presentation and food safety issues. Students also challenge their sensory skills to make decisions.

3) Describe how you have impacted the food industry based on the choices and decisions you have made as a consumer. Provide 2 specific examples.

Answers will vary; students should give examples of how they use money to purchase food items they want. Example: Fast food purchase, grocery store purchase, going out to dinner, only buying organic, only buying gluten free, etc.

4) Completed chart for reference on student answers:

Agriculture, Food and Natural Resources Value Chain

As in any industry, consumers and technology drive what and how things are produced. Right now, personal health, sustainability and nutrition are significant drivers affecting agriculture, food and natural resources, but there are other market factors constantly weighing on these industries as well, including economics, governmental policies, the environment, and demographics and more. Meanwhile, innovation makes involvement in these industries ever-expanding.

