

Name:

Big Tech Foods

Aligned to the following standards:

CS.05, FFA.PL-A, FFA.PG-J, FFA.CS-M, FFA.CS-N, AG5, AGC08.01, AGC09.01, AGC09.02, CCSS.RI.9-10.2, CCSS.RI.9-10.4, CCSS.W.9-10.1, CCSS.W.9-10.2, CCSS.SL.9-10.1, CCSS.RST.9-10.8, CCSS.RST.9-10.9, CCSS.WHST.9-10.1, CCSS.WHST.9-10.2, CCSS.WHST.9-10.4, CCSS.WHST.9-10.6, CRP.02, CRP.04, CRP.07, CRP.08, CRP.10, CRP.11

Directions:

Using the article "How Technology Is Impacting the Food and Beverage Industry" (<https://www.agcareers.com/ag-and-food-career-guide/2024/US/28/>), complete the activity below.

Pre-Reading

Answer the question before reading the article.

1. Do you think having technology replace humans for mundane jobs in the food industry is a good idea? Why or why not?

Post-Reading

Answer these questions after reading the article.

1. List two ways that technology can significantly impact the food and beverage industry.



Automation and Robotics

2. Describe how automation and robotics are used in the food and beverage industry.

3. How are humans still involved, even with this technology?

Data Analytics and IoT (Internet of Things)

4. How are IoT sensors and data analytics being used in the food and beverage industry?

5. How are humans still involved, even with this technology?

Food Safety and Quality Assurance Technologies

6. List three advanced technologies that are being used to detect contaminants, allergens and pathogens in food products.



Sustainable Processing Practices

7. List two ways that technology is driving innovation in sustainable processing practices.



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8. How are humans still involved, even with this technology?

Packaging Technologies

9. Why are the new advances in packaging technologies so crucial for the food and beverage industry?

Regulatory Compliance and Food Safety Standards

10. Why are regulations and standards regarding food safety, labeling and sanitation always evolving?

Dig Deeper

Select one of the three FoodGrads podcast episodes that are linked in the article through QR codes. Listen to the selected podcast episode and answer the questions below.

1. Which episode of the podcast did you choose? Why?

2. What company does the person who is being interviewed work for?

3. What is this person's job?

4. Name one positive that the person mentions regarding technology in the food and beverage industry.

5. Name one negative, or challenge, that the person mentions regarding technology in the food and beverage industry.

6. Write down an impactful or memorable quote from the interview that is encouraging.

❖ How do you feel about technology being used in the food and beverage industry? Why?