

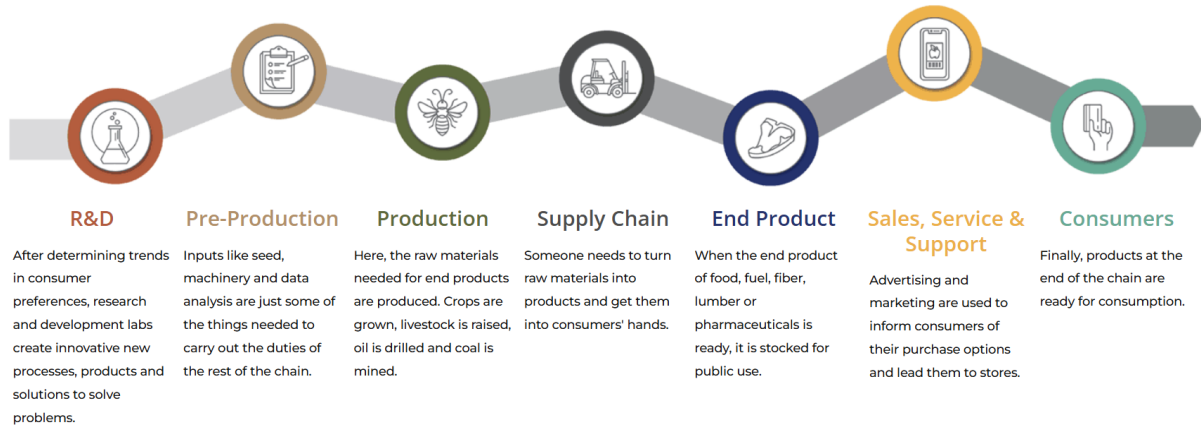
Name: _____

Plant Systems Careers

Part 1

Directions:

In your group, research one stage of the AFNR Value Chain, as assigned by your teacher, and fill out the research sheet below. When done, create a poster utilizing the information and provided rubric. You will use this to teach your classmates about your portion of the value chain.



Your assigned value chain stage: _____

Use the questions below to guide your research:

1. What happens during this stage of the value chain?
2. Why is this stage important to agriculture or the Plant Systems pathway?
3. List two or three real-world examples from plant science that happen during this stage.
4. What three or four careers are connected to this part of the value chain?
 -
 -
 -
 -
5. What problems could happen if this stage fails or is skipped?

Name: _____

POSTER RUBRIC

Area	4 Points	3 Points	2 Points	1 Point
Content	All content is accurate. There are no factual errors.	Most of the content is accurate, but there is one piece of information that seems inaccurate.	The content is generally accurate, but one piece of information is clearly inaccurate.	Content is confusing or contains more than one factual error.
Clarity and Neatness	The poster is easy to read and all elements are clearly written, labeled and drawn. Creativity was used.	The poster is easy to read and most elements are clearly written, labeled and drawn. Some creativity was used.	The poster is hard to read with rough drawings, labels and color. Little creativity was used.	The poster is hard to read and one cannot tell what goes where or what the illustrations represent. No creativity was used.
Presentation and Preparedness	The presentation is clearly rehearsed and delivered with no mistakes. Student spoke slowly and clear.	One mistake is heard in the presentation.	Two mistakes are heard in the presentation.	Three or more mistakes are heard in the presentation. Student spoke very fast and was unclear.
Time	Student stayed in the three to five-minute time frame.			Student was either under or over the allotted time frame.

Comments:

Name: _____

Part 2

Directions:

As your classmates present each stage of the value chain, fill in the chart below:

Value Chain Stage	What Happens Here?	Example in Plant Systems	Career Spotlight	What Happens If This Step Were Skipped?
Research and Development				
Pre-Production				
Production				
Supply Chain				
End Product				
Sales, Service and Support				
Consumers				

Name: _____

Part 3

Directions:

Watch the Syngenta "day in the life" video (<https://www.youtube.com/watch?v=Xhojdm6BibY>), and answer the questions as you watch.

1. Syngenta is an innovative company rooted in _____.
2. Syngenta believes in _____ and _____.
3. What examples from the video illustrate Syngenta's approach to innovation?
 -
 -
4. What do you think is important to the company and the people who work there?
 -
 -
5. Based on the video, would you want to work for Syngenta? Why or why not? Explain in two or three sentences.

Name: _____

Part 4

Directions:

1. You are going to play Plant Systems Careers Bingo! You'll start by sitting across from someone in the class.
2. Take turns sharing your career.
 - You'll each get about two to three minutes to talk.
 - Read your career card and explain what that job is like.
 - Then your partner will do the same with their card.
3. Switch It Up!
 - When the timer goes off, everyone rotates and finds a new partner
 - You'll bring your same card and repeat the process with someone new.
4. Mark Your Bingo Card
 - If your partner's career is on your Bingo card, mark it off!
 - The first person to get five in a row (across, down or diagonally) shouts BINGO!

Discussion Questions:

1. What Plant Systems career stood out most to you? Why?
2. Which career do you think best matches your own interests, strengths or hobbies?
3. What surprised you most about the types of jobs that exist in this career pathway?

Name: _____

Part 5

Directions:

1. Visit AgExplorer.FFA.org/focus/plant-systems/
2. On that page, click on different Plant Systems careers and complete the career profiles below for two of the careers you are most interested in.

Name of Career:

Career Category:

Sketch a Photo of the Career

Job Description

Education Needed

Main Responsibilities



Recommended High School Courses



Name: _____

Name of Career:

Career Category:

Sketch a Photo of the Career

Job Description

Education Needed

Main Responsibilities

★

★

★

Recommended High School Courses

★

★

★

1. What about these two careers interested you and why?