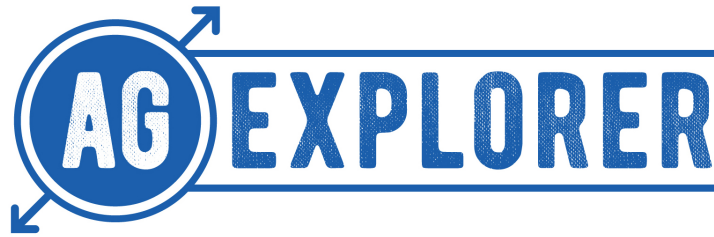


To be completed before the  
Virtual Field Trip



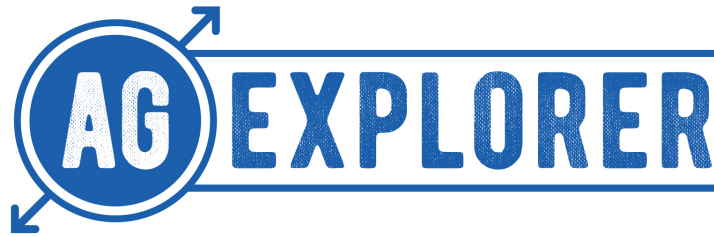
Find *your* Future in Agriculture

Name \_\_\_\_\_

Date \_\_\_\_\_

**OWL CHART**

<b>OBSERVE</b>  What did you learn as a result of watching the introductory video? (List at least 5 items)	<b>WONDER</b>  What question(s) do you hope to answer at the end of the virtual field trip? (List at least 3 questions)	<b>LEARN</b>  What topics do you want to learn about during the virtual field trip? (List at least 3 topics)



Find *your* Future in Agriculture

Name \_\_\_\_\_

Date \_\_\_\_\_

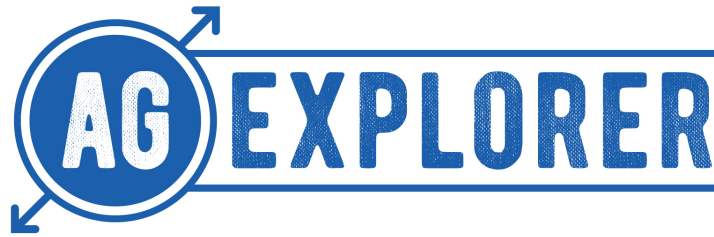
**Applying Your Knowledge and Skills to Careers in Agriculture  
Capture Sheet**

Many careers in agriculture involve developing technologies that contribute to healthy animals and a safe food supply. The demands of a growing population are resulting in strong job opportunities in this area. Your interests, abilities, and goals all influence your career choices. The STEM professionals you will hear from during the virtual field trip will mention many talents, skills, interests, and hobbies that drew them to their work. **Listen out for any that you share with them and list them below.**

While watching the AgExplorer and Zoetis Virtual Field Trip, complete the table below:

List <b>two</b> skills or interests each professional highlighted as being critical to their work.	
<b>Executive Director of Animal Research</b>	
<b>Executive Director of Animal Genetics</b>	
<b>Director of Global Diagnostics</b>	
<b>Site Leader for Pharmaceutical Manufacturing</b>	

To be completed during the  
Virtual Field Trip



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**Now, match some of your talents and interests to each career highlighted.**  
What are your talents and skills? List three to five.

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What are interests or hobbies you enjoy? List three to five.

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List two careers from the Virtual Field Trip that are most interesting to you based on your skills and interests.

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Why is it important to a company like Zoetis or other agricultural companies to have a diverse group of careers and employees?

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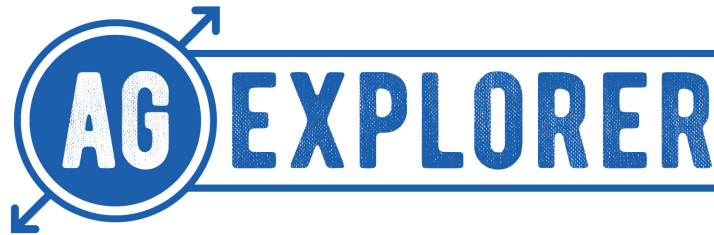
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Scenario: Pretend that you have to convince your English class that careers in agriculture reach far beyond a farmer or rancher. What are three key points you would share based on the information learned during the VFT.

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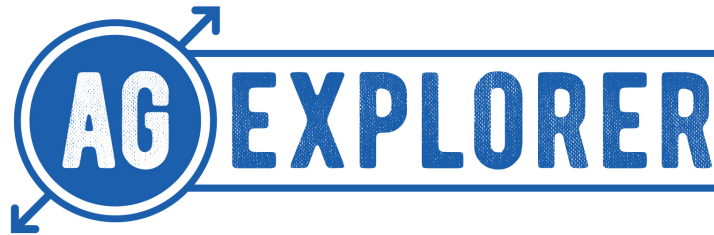
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**Personal Reflection Graphic Organizer**

Scientists experience failure all the time and all of the failures act as real building blocks of invention because they ultimately lead to new discoveries. Failure is a part of the experimental process and learning from failure helps one make improvements in their work. Think of a time in your life when you experienced a setback or failure and describe an important lesson you learned from it. What new discovery did you make after experiencing this setback or failure?

**Directions:** Use the chart below to plan your personal reflection essay describing a setback or failure you encountered and what new discovery you made from this experience.

<b>Introduction</b>		
<b>Body Paragraph 1 –</b> <i>Describe a time you experienced a setback.</i>	<b>Body Paragraph 2 –</b> <i>What lesson(s) did you learn from this experience?</i>	<b>Body Paragraph 3 –</b> <i>How do you apply these lessons to your life now?</i>
<b>Conclusion</b>		



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**Genetic Selection Graphic Organizer**

Genetic tests help farmers make genetic predictions in beef and dairy cattle to select animals with desirable production and health traits. This allows us to accelerate and improve animal selection decisions that have been made for decades. In this activity, you will research and summarize various ways that scientists and farmers improve the health of animals and make a connection to how this is similar to the care we receive as humans.

**Directions:** Complete the chart using the **animal species headings** at the bottom of the home page and then answer the questions below.

Companion animals include cats, dogs, and horses

Farm animals include beef cattle, dairy cattle, fish, pigs, poultry, and sheep

Visit: <https://www.zoetis.com/>

Species of Animal	Animal Health Product	2 Benefits to Animal (include at least one body system targeted)	How is this similar to human care? (list at least one example)
Companion animal: _____			
Farm animal: _____			
Farm animal: _____			



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What benefits to society come from treating animals with these health products?  
(Hint: View the “Responsibility” link on the Zoetis web site for guidance.)

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In your opinion, why is it our responsibility to protect: 1) farm animal health and 2) companion animal health?

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