READY-MADE RESOURCES
Soy Protein and
World Hunger

name: _____

date: _____

class: _____

Welcome to the Soy Protein and World Hunger Student-led Assignment, a webquest designed to help you further explore this topic.

Before you begin this activity, you will need a computer with internet access and a writing utensil. Complete the assignment by visiting each of the linked items and answering the following questions. Record your answers in an electronic document or on notebook paper. Follow your teacher's directions for assignment completion and submission.

Activity 1: Learn about careers in the industry

Watch **this video** (**grownextgen.org/career-videos/video/international-agriculture-development/**) about International Agriculture Development, one of the many careers in Global Agriculture. While you watch the video, answer the following questions:

1. What are some of the benefits of foods high in protein such as soybeans?
   - ○ build muscle
   - ○ create a healthy immune system
   - ○ develop strong bones
   - ○ all of the above

2. Where does Ohio rank in terms of soybean production in the U.S.?
   - ○ 5th
   - ○ 6th
   - ○ 7th
   - ○ 8th

3. What is the projected population by 2050?
   - ○ 5 billion
   - ○ 7 billion
   - ○ 9 billion
   - ○ 11 billion

4. Which of the following are ways that students can be involved in international agriculture?
   - ○ talk to older students and professionals about opportunities to get involved
   - ○ start or join a club that is working on the issue of world hunger
   - ○ connect with a "sister" school in another country
   - ○ all of the above

5. Think about what a career in international agriculture development might involve. If you had this job, would you solve simple or complex problems? Would you focus on local or world-wide agricultural issues? Would the job involve travel? How might these careers involve using soybeans to meet global needs? After thinking about those questions, write a few descriptive sentences about what a career in international agricultural development might be like.

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Activity 2: Explore the issue

Complete the **"Soy Protein and World Hunger" e-learning course** (**elearning.grownextgen.org**) which talks about global hunger and the need for cheap sources of protein. Take a screenshot of your posttest results and email it to your teacher.

Reflection: After completing the e-learning course, record 5 interesting facts about soybeans and their impact on world hunger. For example, "Soybeans are the only complete source of protein, containing all 9 amino acids. Therefore, they are an excellent source of protein for developing nations whose citizens might not be receiving enough protein." (You may keep this fact, but must collect 5 others; this example does not count toward your 5 facts).

State your 5 interesting facts about soybeans and their impact on world hunger here:

1.

2.

3.

4.

5.

Activity 3: What can be done?

1. World Hunger is the issue. Who is addressing it and how? WISHH is one organization that is trying to address this problem. Visit **wishh.org/what-we-do/origins-mission-vision/** to find out what they do. What is the mission of WISHH?

2. Go to **wishh.org/soy-resources/soycows-vitagoats/** to see how they do it. Explain the difference between a vitagoat and a soycow.

3. Watch **this video** (**youtube.com/watch?v=3JJ3l9Hs_r4**) to see a VitaGoat and projects that have been successful, then watch **this video** (**youtube.com/watch?v=Cnqto78PHzg**) to see how a soy cow works. You work for a non-governmental organization. You have been tasked with choosing one country to provide either a soy cow or a vitagoat. Below is the list of the top 16 countries suffering from malnutrition and hunger.

    - Angola
    - Burundi
    - Central Africa
    - Chad
    - Democratic Republic of Congo
    - Equatorial Guinea
    - Eritrea
    - Ethiopia
    - Kenya
    - Mali
    - Niger
    - Sierra Leone
    - Somalia
    - South Sudan

Look up information about the country of your choice: their capital, their population, jobs, standard of living and where they live (cities, villages, etc). Use sources such as: **CIA World Factbook** (**cia.gov/library/publications/the-world-factbook/**), **FAO stats** (**fao.org/statistics/en/**) or other reliable sources (United Nations, etc—not Wikipedia),

Which would you recommend for your chosen country to get: a vitagoat or a soy cow? Explain your reasoning.

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