

READY-MADE RESOURCES

Global Aquaculture and Soy Protein

name: _____

date: _____

class: _____

Welcome to the Global Aquaculture Student-led Assignment, a webquest designed to help you further explore a career in global aquaculture. 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 \(grownextgen.org/career-videos/video/global-aquaculture/\)](https://grownextgen.org/career-videos/video/global-aquaculture/) to learn about aquaculture and its role in meeting the global demand for protein, then answer the following questions:

1. Why is soybean meal valuable in fish diets?
 - It aids in digestion
 - It enables fish to swim faster
 - It has high protein content
 - It aids in reproduction
2. How much is seafood consumption expected to increase by 2050?
 - 25 percent
 - 50 percent
 - 75 percent
 - 100 percent
3. Where can fish be raised?
 - In one-acre ponds
 - Natural bodies of water
 - Indoor fish farms
 - All of the above
4. What classes are strongly recommended if a person wants a career in the aquaculture industry?
 - Math and science
 - English and history
 - Marketing and business
 - Speech and debate

Activity 2: Explore the industry

Complete the **“Aquaculture and Soy Protein” e-learning course (elearning.grownextgen.org)** to gain background knowledge about this topic. When you finish the course, 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 aquaculture and its impact on global agriculture. For example, “Soy meal can be used to feed the fish in aquaculture programs, making it a cheaper source of protein worldwide.” (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 the role and importance of soybeans in global agriculture here:

1.

2.

3.

4.

5.

After completing the e-learning course, find out where aquaculture research is taking place. For example, Read **the article** at uidaho.edu/research/news/research-reports/2015/growing-fish

1. What have they done here?
2. What are they feeding the fish?
3. What are other risks that fish growers will have to deal with?
4. How do they immunize fish?

Find an article online about one additional example of a place where they are practicing aquaculture and explain the situation and outcomes below. Be sure to include the article citation.

Activity 3: A big picture view of the industry

Visit gaalliance.org/wp-content/uploads/2015/02/GAA-Food-Supply-Infographic-11x17-HiRes.pdf
Study the infographic to learn more about aquaculture and its influence on global agriculture.

State 3 facts you learned from “Feeding a Growing World with Aquaculture”:

1.

2.

3.