



- 1) Aquaponics is a combination of what two industries? **Aquaculture and Hydroponics**
- 2) Why can't we use pesticides in an aquaponic system?
Pesticides would poison the fish and kill the bacteria in the system.
- 3) Where do the nutrients for the plants come from in an aquaponic system?
The fish waste. Or: Ammonia excreted by the fish is converted to nitrite and nitrate by bacteria in our biological filters.
- 4) How many seeds does Solution's seed each week? **4,000 - 5,000**
- 5) What part of a plant makes food? **Leaves are the site of the food-making process called Photosynthesis.**
- 6) What gas do plants release into the air? **Oxygen**
- 7) What do plants need to grow? **Sunlight, Air, Water, and Food (nutrients)**
- 8) Why do we water plants? **Water is critical to photosynthesis.**
- 9) What will happen if a plant is placed in a dark area without any light?
The plant will become etiolated, pale and stretched out looking for sunlight. Without sunlight it cannot perform photosynthesis, and eventually the plant will die.

A Few More Questions

- 10) In your opinion, which is better aquaponics farming or traditional farming? Give at least two reasons to support your answer.
- 11) If you were to create an aquaponics garden, what plants would you grow?
- 12) Besides Solutions Farm, what are some other locations/settings that could benefit from aquaponics farming?



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Aquaponics Worksheet

STUDENT WORKSHEET

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