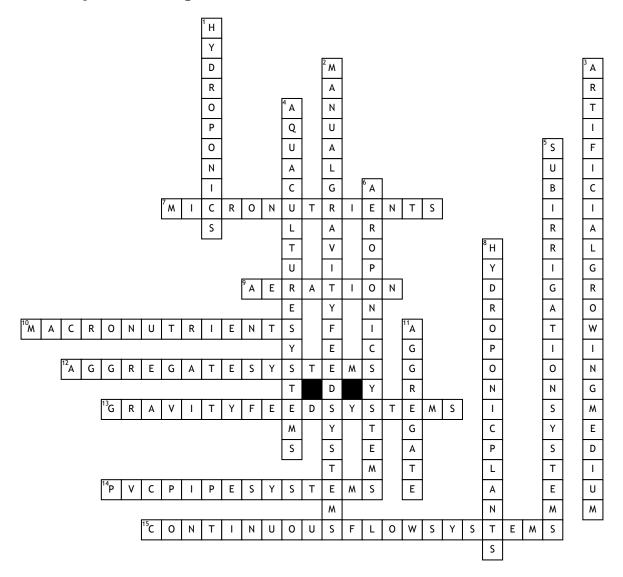
Name:	Date:	

## **Hydroponics Crossword**



## **Across**

- 7. needed by plants in small quantities; includes boron, copper and iron
- **9.** process of circulating air throughout a substance
- **10.** needed by plants in large quantities; includes nitrogen, potassium and sulfur
- **12.** utilizes aggregate as a support medium for plants; utilizes flooding techniques which reduce water usage and drain afterwards, allowing the roots to aerate
- **13.** aggregate system which utilizes gravity to provide nutrient solutions to plant roots

- **14.** continuous flow system which use PVC pipes to hold plants and provide continuous flow of nutrient solutions
- **15.** hydroponic system with continuous flow of nutrient solutions over the plant roots; are the most common hydroponic system utilized by commercial producers

## <u>Down</u>

- 1. production of plants without a soil medium; utilizes only water, sunlight and nutrients
- 2. aggregate system which utilizes gravity to provide nutrient solutions to plant roots; manual operation is needed to drain used nutrient solution

- **3.** material used for the support and stability of hydroponic plants; includes sand, gravel, peat moss and sawdust
- **4.** utilizes only nutrient infused water and system structures to produce plants
- **5.** pumps a nutrient solution into aggregate beds from a reservoir most often located below the aggregate bed
- **6.** hydroponic system with containers holding growing roots and watered using misters
- **8.** plants with the feasibility to grow hydroponically
- 11. most often in the form of sand or gravel