**Team Members: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Technology Education  
Career & Technical Education  
Desert Hills Middle School**

**Hydroponics Poster Project Research Guide**

**Directions:**

1. Find a complete diagram of a hydroponic system that shows how the system works and copy the URL here.
2. List the inputs, outputs, processes and feedback associated with a hydroponics system here. Copy the URL for at least one source of this information below.
   1. Inputs (what goes into the system):
   2. Processes (what processes occur within the system):
   3. Outputs (what comes out of the system):
   4. Feedback (how do we know if there are problems or if the system is working):
3. Create a list of tasks below, including daily, weekly, and monthly tasks for maintaining the health of the plants, and good water quality. You may add additional steps as needed. Copy the URL for at least one source where you can find information about hydroponic system maintenance.

Daily Tasks:

1.

2.

3.

Weekly Tasks:

1.

2.

3.

Monthly Tasks:

1.

2.

3.

1. Identify three different types of hydroponic systems and list them here with their respective advantages and disadvantages. Copy at least one source URL for each.

Advantages:

Disadvantages:



Advantages:

Disadvantages:



Advantages:

Disadvantages:

1. Prepare a written summary below about the advantages and disadvantages of hydroponic systems as a sustainable farming technique. Reference at least 3 different sources by copying the URL after your summary.