1. What is the most important information from Group 1: Effects of Fertilizer?
2. What is the most important information from Group 2: Predator/Prey Interactions?
3. What is the most important information from Group 3: Pesticide Resistance?
4. What is the most important information from Group 4: The Use of Cultivars?
5. Is this agricultural system dominated by top-down, bottom-up, or a mixture of processes? Explain.
6. Draw a diagram that integrates all of the key components in this ecosystem -- including chemicals. Draw arrows between organisms and chemicals and label them with a process and symbol representing the relationship the process has ( + for positive, - for negative).
7. Describe what your diagram from #2 is illustrating to provide a big-picture narrative of what exactly is happening in this system.
8. Given the detrimental effects that pesticides, cultivars, and fertilizer has had on rice agriculture, why do you think these are still being used?
9. Based on all of the problems that are associated with the way rice is grown, what solutions/recommendations do you have to solve the problem?