**May Notes: Day 3 Pesticides and Fertilizers**

Name: Period: Date:

**AIM: What are the problems caused by pesticides and fertilizers?**

**Objectives:**

* Students will be able to describe how human use of pesticides and insecticides affect the environment
* Describe bio magnification

**DO NOW: What is a benefit of pesticides and what is a problem of pesticides?**

**What are pesticide and fertilizer?**

* and  are artificial  used by to  their crop yields.
* Fertilizers help  plants with vital  and chemical compounds
* kill  that  the desired plant.
* There are 2 types of :
  + which kill
  + that kill

**The problem with pesticides**

1. not only kill the insects but they also kill  insects, such as, bees and beetles
2. can cause a  offor  insect-eating .
3. Pest that are  by pesticides can  and create  that are  to the pesticide.
4. tend to be  and if not properly can be on to other animals including humans

**Pesticides and DDT**

* or Polychlorinated biphenyl is a chemical found in manyand factory waste.
* DDT’s has directto many types of .
* The DDT chemical is taken in () by organisms. The DDT stays in the  of that organism.
* When  organismthat infected organism, they  the DDT.
* The more DDT, the more it  (magnify).
* This is known as

**A possible solution to pesticide?**

* A possible solution to control insects is the use of  
  + insects that eat other insect tothe population.
  + Introduce  that eat insects.

**How does fertilizers cause harm to an ecosystem?**

* contain ; a chemical needed to produce of crops in modern .
* When the has too much  in it, some of the nitrates will make its way to a body of
* , (also plants), will begin to  very
* The of algae starts to  out theto the plants.
* The bottom plants begin to off.
* begin to break down the dead organism and at the same time use a lot of oxygen.
* is depleted or low,  begin to die off.