

Name: _____ Date: _____ Class: _____

Post-Activity Quiz

1. Is a plastic bottle organic waste? Check yes or no: Yes No
Why?

2. Is compost considered organic waste OR a product that we can use to grow plants?

3. What is a pesticide?


4. Why do many farmers wear masks when they are applying pesticides?

5. Explain the greenhouse effect.



6. Two farmers needed to get rid of the undesired plants (weeds) in the soil in two different plots where they intend to plant tomatoes. The first farmer had 90 weeds on his plot. He treated the plot using soil biosolarization. After 10 days, 8 weeds were alive. The other farmer applied a pesticide eliminating 60% of the weeds.
 - A. Estimate the percentage of weeds that was eliminated by soil biosolarization.

 - B. Which weed-eliminating method was more effective?


7. You are agricultural engineers. Farmers in your area cannot plant tomatoes because every year when they plant them, lots of weeds appear and kill the tomato plants. Please fill in the gaps to help the farmers get rid of the undesired plants (weeds) without harming themselves or the environment.

1 


This plot is full of undesired plants that are known as w_____. Therefore, we need to get rid of them before planting tomatoes. We do not want to apply p_____ because they can harm farmers and the environment.

2  

Instead we apply _____ waste to the soil because it provides micro_____ that are able to break down the organic matter. In addition, the microorganisms will produce toxic compounds. Applying organic waste is very important because we are giving the waste a _____ and we decrease the accumulation of waste in the landfill.

3 

Then we cover the soil with transparent plastic tarp to produce a green_____ effect. The _____ radiation will increase the t_____ of the soil. The plastic tarp will also keep the t_____ compounds in the soil and will eliminate the _____.

4 

Thanks to your help, farmers have now a clean plot ready to plant tomatoes without harming themselves and the _____.