

Name: _____ Date: _____ Class: _____

Soil Solarization Quiz

1. How do most farmers currently protect their crops from bugs, weeds and disease?

2. List some harmful side-effects from the current pest control practices.

3. Using the word bank provided below, fill in the blanks in the following sentence.

Soil solarization is a technique that harnesses _____ from the sun to heat the soil and _____ from microbes to make the soil toxic for pests to live in. Combined, these two processes rid the soil of harmful pests, ensuring the best possible crop yield.

Word Bank:

chemicals
acids
radiation

water
bases
power

4. Circle the variables below that can be engineered in the soil solarization process to change how well it can remove pests. Circle ALL that apply.

Plastic type/color

Area of the field

Color of glass

Addition of compost

Amount of water in soil

Type of plant(s) grown