Fill in the blanks using the following words:

1. cross resistance
2. lethal effects
3. selective pressure
4. mode of action

Mosquitoes can avoid \_\_\_\_\_\_\_\_\_\_ of pesticides when they become resistant to them. The over-use of the same chemical acts as a \_\_\_\_\_\_\_\_\_\_\_\_\_ to change the genetic makeup of the mosquito population. To avoid resistance, it’s best to rotate chemicals and change the different \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Occasionally resistance to insecticides other than the responsible insecticide occurs, and this is called \_\_\_\_\_\_\_\_\_\_\_\_\_.

­­­­­­­­­­­­­­­­­­­­­­

Fill in the blanks using the following words:

1. pupae
2. larval
3. adult
4. egg rafts

Mosquitoes have complete (or complex) metamorphosis and have four life stages. The \_\_\_\_\_\_\_\_ stage is when the mosquito is the most dangerous because females will seek hosts for blood meals, thus capable of spreading diseases. Adults emerge from a \_\_\_\_\_\_\_\_ stage, a stage where they are almost impermeable to insecticides (except petroleum oils). Adults lay \_\_\_\_\_\_\_\_ at the water surface, taking approximately a day to hatch into larvae. Larvae filter feed and grow into four \_\_\_\_\_\_\_\_\_ instar stages.

Fill in the blanks using the following words:

1. day
2. artificial containers
3. BG-Sentinel
4. mammals

*Aedes aegypti* is now widespread in California. This invasive mosquito likes to breed in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_, such as bottles, tires, plant saucers, and even in plants themselves. These aggressive \_\_\_\_\_\_ biting mosquitoes sometimes follow people inside homes. Aside from humans, they also feed on other \_\_\_\_\_\_\_\_\_\_\_. They have a small flight range, only flying as far as half a mile. The \_\_\_\_\_\_\_\_\_\_\_\_\_\_ trap has been successful at catching *Ae. aegypti* in dense urban neighborhoods using a lure that mimics human body odor.