

### Category A Jeopardy Questions

1. What is the signal word for a pesticide with an Oral LD<sub>50</sub> of 50-500 mg/kg?
2. Dose or exposure level of a poison that produces no noticeable toxic effect on animals is called \_\_\_\_\_.
3. Name the synthetic chemical group similar in function and structure to pyrethrins (pyrethrum derivatives).
4. Name two types of gloves that should never be worn while applying pesticides.
5. What amendment was made in 1972 to FIFRA (the Federal Insecticide, Fungicide, and Rodenticide Act)?
6. During a chemical spill, after containing or stopping the spread of the chemical, what is the next step that must be immediately taken?
7. Where do you locate a hose for filling a pesticide tank?
8. Briefly define synergist. Briefly define antagonist (potentiation).
9. What agency administers the information for pesticide product label?
10. True or False: Dairy ponds, catch basins that drain into a sewage treatment plant, and irrigated agricultural fields that have water that does not run off the field are examples of waters of the US.
11. Name some examples of waters of the US.
12. If a mosquito population is able to avoid lethal effects of certain pesticides, the population has developed \_\_\_\_\_.
13. Which route of entry (dermal, ocular, oral, or respiratory) has the most exposure to pesticides?
14. Bti (*Bacillus thuringiensis israelensis*) is best used in what kind of habitat?
15. If a person is poisoned by a pesticide or is exposed to a pesticide, what two things do you need to give to the health professional, in order to proceed with treatment and care?
16. Name at least 2 examples of organophosphates.

17. Which type of high pressure fogger is the most widely used sprayer for adult mosquito control?
18. The University of California does what to help aid vector control?
19. What type of PPE (personal protective equipment) do you need to wear when handling granular pesticide?
20. How does an IGR (insect growth regulator) work?
21. If a person ingests pesticide, do you induce vomiting?
22. If you want to treat a source directly, would you use larvicide or adulticide?
23. Pyrethrum is a chemical used for which mosquito life stage? (select one: adult or larval). Most adult mosquito control products are \_\_\_\_\_. (select one: contact toxicants, systemic toxicants, stomach toxicants)
24. \_\_\_\_\_ is the best method to kill pupae.
25. What two items must a technician have in the field?
26. In general, what is the mode of action for organochlorines?
27. Distinguish between signs and symptoms.
28. Describe an inversion layer.
29. Give some examples of biorational pesticides.
30. What spray characteristics does a nozzle affect?
31. How much water is needed to rinse a pesticide container that is less than 5 gallons prior to disposal? More than 5 gallons? How many times does a pesticide container need to be rinsed?
32. What is the recommended amount of time to wash eyes with water in the event of pesticide exposure?
33. Why is it important that pesticide drift be avoided? When is drift desirable? When applying ULV applications, is it more desirable for pesticides to drop to the ground immediately,

or is it more desirable for pesticides to linger near ground level for longer periods of time?

34. Cross-resistance is when a pest population becomes resistant to one pesticide, it may also become resistant to chemically related pesticides not previously used. Explain why this happens.

35. Define these terms:

LD<sub>50</sub>

ED<sub>50</sub>

LC<sub>50</sub>

TD

36. All pesticide spills must be reported to which agency?

37. How do negative pressure respirators work?

38. Which of the following are not a pesticide storage requirement?

- a. A safety alarm installed in the room to prevent thefts
- b. Proper ventilation
- c. Wash water and Eye wash stations available
- d. Fire extinguishers readily available
- e. Warning placards (for Category I and II) with emergency contact information

39. Proper use of face shield require:

- a. to be made of a hard clear plastic
- b. be attached to a hard hat
- c. can be raised or lowered as needed
- d. all of the above

40. When should filter cartridges be replaced?

- a. when label says so
- b. when manufacturer says so
- c. when you first smell or taste a pesticide, or experience irritation
- d. At the end of each day's use
- e. all of the above

41. What is the best example of cultural control?

- a. physical control

- b. biological control
- c. IPM
- d. farmers improving manure control to reduce fleas in farms