

Pre-Evaluation Test

The participants may be asked for the pre-evaluation test to assess their level of first-hand knowledge before the training on Vector Biology and its Control for Vector-Borne Diseases and based on the knowledge assessment, the resource persons may put their efforts for efficient inputs in the weak areas during the training. The questions may be placed before the participants for pre-test evaluation.

1. Ticks are medically important because they transmit:
 - a. Scrub typhus
 - b. Rocky Mountain spotted fever
 - c. Yaws
 - d. Trachoma
2. Which of the following transmit disease mechanically?
 - a. Lice
 - b. Fleas
 - c. Ticks
 - d. Flies
3. Mosquitoes have four distinct stages in their life cycle. In the order that they occur are:
 - a. Egg, larva, pupa, and adult
 - b. Egg, larva, nymph, and adult
 - c. Egg, pupa, larva, and adult
 - d. Egg, nymph, larva, and adult
4. Anopheles and Culex eggs are laid:
 - a. On damp or loose soil
 - b. On debris on the ground
 - c. On the water
 - d. In garbage, pit latrines, and animal manure
5. Match the following arthropods to their scientific names.

___ Black widow spider	a. Aedes aegypti.
___ Head louse	b. Pediculus humanus bumanus.
___ Human itch mite	c. Xenopsylla cheopis.
___ Brown recluse spider	d. Anopheles.
___ Oriental rat flea	e. Musca domestica.
___ Sand flies	f. Pediculus humanus capitis.
___ Crab louse	g. Pthirus pubis.

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| ____ Housefly | h. <i>Lutzomyia</i> .spp. |
| ____ Mosquito transmitting malaria | i. <i>Sarcoptes scabiei</i> |
| ____ Mosquito transmitting yellow fever | j. <i>Lactrodectus mactans</i> |
| ____ Body louse | k. <i>Loxosceles reclusa</i> |

6. A type of dermatitis called scabies or the “seven year itch” is caused by the:
- Human itch bug.
 - Itching tick.
 - Human itch mite.
 - Spelunking itch mite.
7. The primary vector of bubonic plague is:
- Aedes aegypti*
 - Pediculus humanus Qumanus*
 - Xenopsylla cheopis*
 - Musca domestica*
8. In the event of an outbreak of epidemic louse-borne typhus, which louse would the environmental health technician look for and set about eliminating?
- Pediculus humanus capitis*
 - Pediculus humanus humanus*
 - Pthirus pubis*
9. During warm weather, the larval stage of the housefly develops in _____ days.
- 3-24
 - 3-14
 - 3-7
 - none of the above
10. Both the male and the female mosquito suck blood and will attack humans and other animals.
- True
 - False
11. After the tick has ingested the blood of an infected animal, spirochetes may be transmitted to the tick’s eggs even to the third generation. This is known as:
- Trans-stadial transmission
 - Gonotropic association
 - Transovarian transmission
 - Congenital transmission
12. Individuals who use outhouses should beware the most of:
- Black Widow Spider
 - Mites
 - Ticks
 - Sand Flies

13. Which one of the following does not belong to the class Insecta?
- Spiders
 - Fleas
 - Mosquitoes
 - Lice
14. _____ have “stink” glands that produce irritating fluids.
- Centipedes
 - Scorpions
 - Millipedes
 - None of the above
15. Various species of these flies breed in animal carcasses, meat scraps, and decaying vegetable matter.
- Sand
 - Blow
 - House
 - Black
16. The period of the day when Anopheles mosquitoes generally bite is:
- During daylight hours.
 - Anytime during the day or night.
 - From dusk to dawn.
17. The complete life cycle of the body louse averages about:
- Two weeks
 - Three weeks
 - Four weeks
 - Five weeks
18. Body lice eggs are laid:
- At the base of hairs on the head.
 - At the base of bodily hairs.
 - In the seams of clothing.
 - In masses in pockets of clothes.
19. Which of the following statements is true about the crab louse?
- It transmits louse-borne relapsing fever
 - It transmits louse-borne typhus fever
 - It transmits trench fever
 - It is not known to transmit any disease
20. Only one feature is typical of all insects. Which one?
- Four pairs of legs
 - Wings
 - Three body regions
 - Cephalothorax