

Community Mosquito Collectors Workshop
Assessment ANSWER KEY

The purpose of this assessment is to gather information about your competency, knowledge and skill performing as Community Mosquito Collectors. It is important for you to fully complete this form, rating yourself in each requested area. This form will take about 20 minutes to complete.

Participant Number

Part A. Self-Assessment

Please indicate your ability to perform the following **activities**:

	Not able to perform	Able to perform with <u>significant</u> guidance or assistance	Able to perform with <u>limited</u> guidance or assistance	Can perform fully, without guidance
1. Identify and differentiate the main malaria-carrying mosquitoes (<i>An. gambiae</i> s.l. and <i>An. funestus</i> s.l) from other <i>Anopheles</i> mosquitoes				
2. Demonstrate how to collect adult mosquitoes using a CDC light trap				
3. Explain how to collect indoor resting mosquitoes using pyrethrum spray catch (PSC) and/or Prokopack aspirator (as applicable in your location)				
4. Demonstrate the use of dippers and pipettes to collect mosquito larvae				

Part B. Technical Knowledge

5. List 2 reasons why it is important for us to monitor mosquitoes locally:

To inform selection of the right vector control activities

To see if those activities are successful

6. Select the breeding habitat most preferred by *Anopheles* mosquitoes:

____ Small containers of water (such as small cans, car tires, flower pots and tree holes)

_____ Dirty water

_____ Clear, unpolluted, sunny pools of water

7. True or **False**: *Anopheles* larvae have a siphon and hang down from the top of the water.

8. List two ways to tell the difference between *Anopheles* and Culicine adult mosquitoes:

Standing posture: *Anopheles* are at angle, Culicine are parallel to surface

Palps of female *Anopheles* mosquitoes are as long and straight as the proboscis, while the palps of female Culicine mosquitoes are considerably shorter

9. What is the easiest way to tell the difference between an *Aedes* and *Culex* adult mosquito?

***Aedes* mosquitoes can be identified by the tip of the abdomen which is pointed rather than rounded. Note that the *Aedes* collected most frequently around houses are black with white patches while *Culex* mosquitoes have a lighter brownish color.**

10. How can you tell the difference between a male and female mosquito?

On the female mosquito, the hairs on the antenna are very few and short, while on the male mosquito, the hairs are long and bushy moustache-like appearance.

11. Match the blood digestion (abdominal) stages to the correct picture:

A. Unfed

B. Freshly fed

C. Half-gravid

D. Gravid



C



A



D



B

12. List 4 pieces of information that should be listed on a vial containing a mosquito specimen: can vary, can also include sex of mosquito

- 1) Type of mosquito
- 2) Where collected
- 3) Date of collection
- 4) House number