

Knowledge Assessment

Qualification	National Vocational Certificate level 2 to 5, in Agriculture Sector (Soil, water and fertilizer testing lab technician)
Competency Standard	Handle Basic Level Equipments
Purpose of Assessment	
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Handle Basic Level Equipment

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Laboratory hot plates are often used when solutions are to be heated to:		
	<ul style="list-style-type: none"> _____ °C or higher. 		
2.	What lab equipment is used to safely and conveniently perform reactions that require heating using a Bunsen Burner?		
	<ul style="list-style-type: none"> Crucible Ring Stand Dropping Pipet Cleaning Brush 		
3.	What lab equipment holds solids or liquids that may release gases during a reaction or that are likely splatter if stirred or heated		
	<ul style="list-style-type: none"> Erlenmeyer Flask Beaker Florence Flask Wide Mouthed Bottle 		
4.	What lab equipment is used for holding and organizing test tubes on the laboratory counter?		

	<ul style="list-style-type: none"> • Buret Clamp • Clamp Holder • Extension Clamp • Test Tube Rack 		
5.	What lab equipment is used to provide heat for experimentation?		
	<ul style="list-style-type: none"> • Test Tube Rack • Mortar and Pestle • Wire Gauze • Bunsen Burner 		
6.	You are heating a substance in a test tube. Always point the open end of the tube		
	<ul style="list-style-type: none"> • Away from people • Toward another colleague • Toward yourself • None of the above 		
7.	You are heating a piece of glass and now want to pick it up. You should		
	<ul style="list-style-type: none"> • Pour cold water on it • Use tongs • Pick up the end that looks cooler • Use a rag or paper towels 		

Feedback to the Candidate	
Candidate's Signature _____ Assessor's Signature _____	

Key

National Vocational Certificate level 2 to 5, in **Agriculture Sector (Soil, Water and Fertilizer Testing Lab Technician)**

Handle Basic Level Equipments

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	<p>Laboratory hot plates are often used when solutions are to be heated to:</p> <ul style="list-style-type: none"> • _____°C or higher. <p>Ans. 100°C or higher.</p>		
2.	<p>What lab equipment is used to safely and conveniently perform reactions that require heating using a Bunsen Burner?</p> <ul style="list-style-type: none"> • Crucible • Ring Stand • Dropping Pipet • Cleaning Brush 		
3.	<p>What lab equipment holds solids or liquids that may release gases during a reaction or that are likely splatter if stirred or heated</p> <ul style="list-style-type: none"> • Erlenmeyer Flask • Beaker • Florence Flask • Wide Mouthed Bottle 		
4.	<p>What lab equipment is used for holding and organizing test tubes on the laboratory counter?</p> <ul style="list-style-type: none"> • Buret Clamp • Clamp Holder • Extension Clamp • Test Tube Rack 		
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7.	You are heating a piece of glass and now want to pick it up. You should		
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