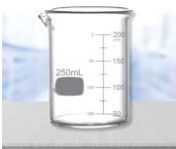
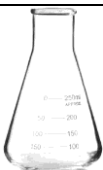
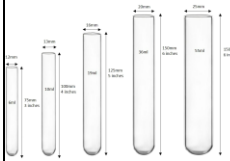
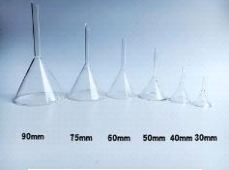
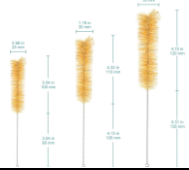


CHEMISTRY LABORATORY – ESSENTIAL EQUIPMENT LIST

No.	Item	Size / Specification	Quantity	Photo
1	Beakers	250 mL; borosilicate glass	5	
2	Beakers	500 mL; borosilicate glass	5	
3	Beakers	1,000 mL; borosilicate glass	4	
4	Conical (Erlenmeyer) Flasks	100 mL; borosilicate glass	5	
5	Conical (Erlenmeyer) Flasks	250 mL; borosilicate glass	5	
6	Conical (Erlenmeyer) Flasks	500 mL; borosilicate glass	4	
7	Volumetric Flasks	100 mL	5	
8	Volumetric Flasks	250 mL	5	
9	Volumetric Flasks	500 mL	4	
10	Graduated Cylinders	50 mL	5	

11	Graduated Cylinders	100 mL	5	
12	Graduated Cylinders	250 mL	4	
13	Test Tubes	Borosilicate glass; assorted sizes	40	
14	Test Tube Racks	20–24 tube capacity	2	
15	Test Tube Holders	Wooden or metal	3	
16	Burettes	50 mL with stopcock	2	
17	Pipettes	Graduated/volumetric; assorted sizes	5	
18	Droppers / Transfer Pipettes	Plastic	5	
19	Glass Funnels	Assorted sizes	10	
20	Glass Stirring Rods	Approx. 20 cm	10	
21	Watch Glasses	Assorted sizes	2 Packets	

22	Wash Bottles	250–500 mL	7	
23	Reagent Bottles	Clear and amber; assorted sizes	10	
24	Electronic Balance	Digital; minimum readability 0.01 g	1	
25	Digital Thermometers	Laboratory type; non-mercury	2	
26	Digital pH Meter	Education/laboratory type	2	
27	pH / Universal Indicator Paper	Laboratory grade	4 Packets	
28	Hot Plates	Laboratory electric type	1	
29	Retort / Ring Stands	Heavy stable base	2	
30	Bunsen Burner	Laboratory gas burner	1	
31	Tripod Stands	Laboratory type	1	
32	Wire Gauze	Heat-resistant laboratory type	3	

33	Porcelain Crucibles with Lids	Laboratory grade	5	
34	Evaporating Dishes	Porcelain	5	
35	Mortar & Pestle	Porcelain	2	
36	Crucible / Beaker Tongs	Stainless steel	3	
37	Spatulas / Scoopulas	Stainless steel	4	
38	Filter Paper	Assorted sizes	5Packets	
39	Weighing Boats	Weighing Boats	5	
40	Rubber Stoppers	Assorted sizes	20	
41	Test Tube & Bottle Brushes	Assorted sizes	6	
42	Molecular Model Kits	Student chemistry sets	2 Packets	
43	Periodic Table	Large wall-mounted	1	

44	Chemical Splash Goggles	Student laboratory type	5	
45	Laboratory Coats / Aprons	Assorted sizes	20	
46	Appropriate Laboratory Gloves	Assorted sizes	20 Pairs	
47	Laboratory Waste Containers	Closable and clearly labeled	1	
48	Chemical Storage Cabinets	Lockable and purpose-designed	1	
49	Glassware / Equipment Cabinets	Lockable with stable shelving	2	
50	Glassware Drying Racks	Wall- or bench-mounted	1	