



NORTH-WEST UNIVERSITY
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POTCHEFSTROOM CAMPUS

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Mylab Grade 10 to 12 Kit , Apparatus and Chemical content list.

| Item | Quantity/Box |
|------------------------------------------------------------------|--------------|
| Apron | 1 |
| Back Plate | 1 |
| Bamboo Sticks | 3 |
| Base Plate | 1 |
| Battery (nine volt heavy duty) | 1 |
| Battery connection | 1 |
| Beaker glass 50 mL | 1 |
| Beaker Stand. | 1 |
| Booklet grade 10 to 12 | 1 |
| Bowl (Water) | 1 |
| Brush (Test tube) | 1 |
| Burner (Micro) | 1 |
| Candles (3x Birthday) | 3 |
| Connecting Wires (4x 20 cm) | 1 |
| Deflagrating spoon. | 1 |
| Distillation Apparatus. | 1 |
| Electrodes electrochemical cells Al(1x), Cu(3x), Zn(3x), Pb(1x). | 1 |
| Electrodes for the electrolysis of water | 2 |
| Filter paper (1x Box) | 1 |
| Funnel | 1 |
| Gloves Latex | 1 |
| Goggle. | 1 |
| Lab Coat. | 1 |
| Layout | 1 |
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| Litmus paper Blue (1x Vial) | 1 |
| Litmus paper Red (1x Vial) | 1 |

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| Matches (1x Box) | 1 |
| Measuring cylinder (10 mL) | 1 |
| Nylonlyn om vlakke uit te lig. | 1 |
| Needle (Blunt) | 2 |
| O-ring | 1 |
| Pipette Swift. 2 ml (sub div 0,1 ml) | 2 |
| Pressure gauge (0-160 kPa) with reduce to connect to syringe with | 1 |
| Properties of metals and non metals. (1x: C, Al, Cu, Zn, Pb.) | 1 |
| Propette dropper (3 mL). | 2 |
| Rod Stirring (Glass) | 1 |
| Spatula | 1 |
| Stopper solid (4x) | 4 |
| Stickers Mylab (2x) | 2 |
| Syringe 10 ml | 2 |
| Syringe 2,0 mL | 2 |
| Syringe 5 mL | 1 |
| Syringe Stopper (2x) (for the 10 mL syringe) | 2 |
| Test tube holder (Clothes-peg) | 1 |
| Test tube Rimless 75x12 mm glass rimless | 10 |
| Thermometer (-10oC – 100oC) 152 mm | 1 |
| Tubes Silicon (7x) | 1 |
| Type (roll) to seal Pressure Gauge and Reduce Connection. (Boyle's | 1 |
| Unit for gas production | 1 |
| Unit for gas testing. | 1 |
| Unit for the absorption of gases.(Activated Carbon) (5 ml syringe) | 1 |
| Unit to demonstrate the combustion of gases | 1 |
| Unit to demonstrate the conductivity of solutions | 1 |
| Unit to demonstrate the solubility of gases | 1 |
| Volumetric Flask 25 mL | 1 |
| Watch glass dish 50 mm | 1 |
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| Chemicals | Total Chemicals |
| Methyl orange | 1 |
| Phenolphthalein | 1 |
| Bromothymol Blue | 1 |

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| Universal indicator | 1 |
| Acetic acid (99,9%) | 1 |
| Aluminium sulphate (powder) | 1 |
| Ammonium carbonate | 1 |
| Ammonium chloride | 1 |
| Ammonium hydrogen carbonate | 1 |
| Ammonium hydroxide (conc.) (14 mol.dm ⁻³) | 1 |
| Ammonium hydroxide (dil.) (6 mol.dm ⁻³) | 1 |
| Amyl Alcohol (pentanol-1) | 1 |
| Barium chloride | 1 |
| Boiling stones | 1 |
| Calcium carbide | 1 |
| Calcium carbonate | 1 |
| Calcium hydroxide | 1 |
| Calcium oxide | 1 |
| Carbon powder (Charcoal) | 1 |
| Chloroform | 1 |
| Citric acid | 1 |
| Cobalt(II) chloride | 1 |
| Cobalt(II) nitrate | 1 |
| Copper(II) chloride | 1 |
| Copper(II) nitrate | 1 |
| Copper(II) oxide | 1 |
| Copper(II) sulphate | 1 |
| Copper turnings | 1 |
| Ethanol | 1 |
| Hexane | 1 |
| Hexene | 1 |
| Hydrochloric acid (dil.) (6 mol.dm ⁻³) | 1 |
| Hydrochloric acid (conc.) (10 mol.dm ⁻³) | 1 |
| Hydrogen peroxide (conc.) (30%) | 1 |
| Hydrogen peroxide (dil.) (12%) | 1 |
| Iodine | 1 |
| Iron(III) chloride | 1 |
| Iron filings | 1 |

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| Iron(II) sulphate.7H ₂ O | 1 |
| Iron(II) sulphide | 1 |
| Lead(II) acetate | 1 |
| Lead(II) nitrate | 1 |
| Lead(IV) oxide | 1 |
| Lithium metal | 1 |
| Magnesium carbonate | 1 |
| Magnesium oxide | 1 |
| Magnesium (ribbon) | 1 |
| Magnesium (powder) | 1 |
| Magnesium sulphate | 1 |
| Manganese(IV) oxide | 1 |
| Methanol | 1 |
| Methylated spirits | 1 |
| Naphtalene | 1 |
| Nitric acid (dil.) (6 mol.dm ⁻³) | 1 |
| Nitric acid (conc.) (12 mol.dm ⁻³) | 1 |
| Oxalic acid | 1 |
| Petroleum Benzin | 1 |
| Potassium bromide/Sodium bromide | 1 |
| Potassium bromate | 1 |
| Potassium chlorate | 1 |
| Potassium dichromate | 1 |
| Potassium hydroxide | 1 |
| Potassium nitrate | 1 |
| Potassium permanganate | 1 |
| Salicylic acid | 1 |
| Silver nitrate | 1 |
| Sodium metal | 1 |
| Sodium acetate | 1 |
| Sodium bromide / Potassium bromide | 1 |
| Sodium carbonate | 1 |
| Sodium chloride | 1 |
| Sodium hydrogen carbonate | 1 |
| Sodium hydroxide pearls | 1 |

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| Sodium hydroxide ($\gg 0,5 \text{ mol.dm}^{-3}$) | 1 |
| Sodium iodide | 1 |
| Sodium sulphite | 1 |
| Sodium thiosulphate | 1 |
| Sugar | 1 |
| Sulphur | 1 |
| Sulphuric acid (dil.) (6 mol.dm^{-3}) | 1 |
| Sulphuric acid (conc.) (18 mol.dm^{-3}) | 1 |
| Tartaric acid | 1 |
| Water (dist.) | 1 |
| Zinc (powder) | 1 |
| Zinc (granules) | 1 |
| Zinc nitrate | 1 |
| Zinc oxide | 1 |
| Zinc sulphate | 1 |

