Table Of Contents

| LIFE AND LIVING PROCESSES | 3 |
|---|--|
| Compare Glucose, Sugar and Starch Test Start with Iodine Solution Test Different Foods For Starch Evaluating an Investigation Study of The Ecosystem MATTER AND MATERIALS AND PROCESSING | 5 6 7 |
| Demonstrate That There Are Spaces Between Particles of Matter Demonstrate That Particles of Matter Move MIXTURES OF MATERIALS | 11 |
| Investigating Different Mixtures of Solids. Mixtures of solid and liquid substances. Mixing Oil and Water. Separate Mixtures of Solids. Separating Mixtures of Solids and Water. Observing How Copper Sulphate Dissolves in Liquid. Investigate the Solubility of Solids In Water. Investigate Solutions to See If We Can Recover the Solute from The Solvent By The Proce Of Settling. Investigate Solutions to See If We Can Recover the Solute From The Solvent By Filtering. Investigate Solutions to See If We Can Recover the Solute From The Solvent By Evaporat The Solvent. Make A Saturated Solution of Salt. Investigate, Measure and Draw Graphs of Rate Of Dissolving. Part 1: Investigate the influence of temperature on the rate of dissolving. | 13 14 15 16 17 18 ess 19 20 ing 21 22 23 |
| Part 2: Investigate the influence of stirring the mixture on the rate of dissolving | 23 |
| Part 3: Investigate the influence of grain size on the rate of dissolving | 24 |
| PROCESS TO PURIFY WATER | 25 |
| Investigate Different Methods to Purify Water | 25 |
| Build A Simple Circuit Design and Make A Simple Switch Test Different Materials to See If They Conduct Electricity Make A Circuit with An Electric Motor. Make A Circuit with A Light Source And Buzzer. | 27 28 29 |

CONTENTS

| Copper Sulphate | 50g | Measuring Cylinder 50 ml | 1 |
|-----------------------|-----------|--------------------------|--------|
| Iodine Solution | 50ml | Pasteur Pipette | 2 |
| 9V Battery with Snap | 1 | Petri Dish PLASTIC | 2 |
| Battery Holder | 1 | Safety Glasses | 1 |
| Battery Snap | 1 | Spatula | 1 |
| Buzzer 3v with Lead | 1 | Steel Wool | 1 Pack |
| Crocodile Wire | 4 | Chalk | 2 |
| Electric Motor | 1 | Paper Clips - | |
| Electrical Switches | 1 | Pins - Split | |
| Torch Bulb | 2 | Rubber Band | |
| Torch Bulb Holder | 1 | Ruler - Plastic | 1 |
| Dowel Sticks- 10cm | 1 | Tape – Measuring | 1 |
| String (Small) | 1 Roll | | |
| Beans | 50g | | |
| Food Colouring - | 1 | | |
| Beaker Glass - 100ml | 1 | | |
| Beaker Plastic-100ml | 3 | | |
| Filter Paper - Sheets | 10 Sheets | | |
| Funnel | 1 | | |
| Glass Rod | 1 | | |
| Gloves | 1 Pair | | |
| Magnifying Glass | 1 | | |