

Materials at a Glance

Experiment 1	Experiment 2	Experiment 3	Experiment 4	Experiment 5
any packaged materials that have the salt content listed on the side of the box in milligrams (mg)	<p>small colored marshmallows large marshmallows gum drops toothpicks balloons modeling clay flexible straws</p> <p>Plastic modeling kits can be purchased from several different vendors such as: Molymod® kits www.molymod.com Darling Models www.darlingmodels.com</p>	<p>two small test tubes 9 V battery two strands of insulated copper wire [18 gauge] baking soda water water container small cup, beaker or jar strong tape (such as duct tape) wire strippers measuring cups and spoons waterproof marking pen ruler</p>	<p>red cabbage distilled water clear ammonia vinegar baking soda saucepan measuring cups several containers for liquids</p>	<p>red cabbage indicator (see Experiment 4) distilled water clear ammonia vinegar baking soda measuring cups and spoons several small glass jars clear soda pop (Experiment B)</p>

Experiment 6	Experiment 7	Experiment 8	Experiment 9	Experiment 10
<p>liquid hand soap solid bar soap vegetable oil graduated cylinder (or tall, thin, glass container) marking pen and ruler measuring cups 3 small jars</p>	<p>isopropanol (rubbing alcohol) scissors sand mortar and pestle small glass jars (4-6) white coffee filter paper or absorbent paper several flower petals and/or green leaves eye dropper measuring spoons pencils (4-6) tape marking pen</p>	<p>brown paper bag marking pen measuring cups and spoons water and containers eyedropper one raw potato one piece of yellow cheese one slice of bread butter other foods such as: fruit, pasta, vegetable oil, etc.</p>	<p>Elmer's® white glue borax distilled water small jars or paper cups (9) measuring cups and spoons marking pen</p>	<p>1 large onion 1 large egg distilled water salt meat tenderizer liquid detergent 70% - 90% rubbing alcohol (isopropanol) small jars or test tubes (2) wooden stick or Q-tip sieve blender measuring cups and spoons</p> <p>Optional Kit: Extracting Fruit and Vegetable DNA DNA Depot: www.dnadepot.com</p>

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By type

Equipment	Materials	Food Items
<p>battery, 9 V blender containers for liquid, several cup, beaker or jar, small, 1 eyedropper graduated cylinder (or tall, thin, glass container) jars, small glass, several measuring cups measuring spoons mortar and pestle ruler saucepan scissors sieve test tubes, small, 2 wire strippers, 1 pair</p> <p>Kits:</p> <p>Plastic modeling kits can be purchased from several different vendors such as: Molymod® kits www.molymod.com Darling Models www.darlingmodels.com</p> <p>Optional Kit: Extracting Fruit and Vegetable DNA DNA Depot: www.dnadepot.com</p>	<p>ammonia, clear bag, brown paper balloons borax coffee filter paper (white) or absorbent paper cups, paper (optional), 9 detergent, liquid flower petals and/or green leaves, several glue, Elmer's® white modeling clay pen, marking pen, waterproof marking pencils (4-6) rubbing alcohol (isopropanol), 70-90% sand soap, liquid hand soap, solid bar stick, wooden, or Q-tip straws, flexible tape tape, duct or other strong toothpicks wire, insulated copper [18 gauge, two strands]</p>	<p>baking soda, 1 pkg. bread, 1 slice butter cabbage, red, 1-2 heads cheese, yellow, 1 piece egg, 1 large gum drops, 1 pkg. marshmallows, small colored, 1 pkg. marshmallows, large, 1 pkg. meat tenderizer onion, 1 large other foods such as: fruit, pasta, vegetable oil, etc. packaged materials that have the salt content listed on the side of the box in milligrams (mg) potato, raw, 1 salt soda pop, clear, 1 vegetable oil vinegar water water, distilled</p>