

I'm not robot!



LAB EQUIPMENT

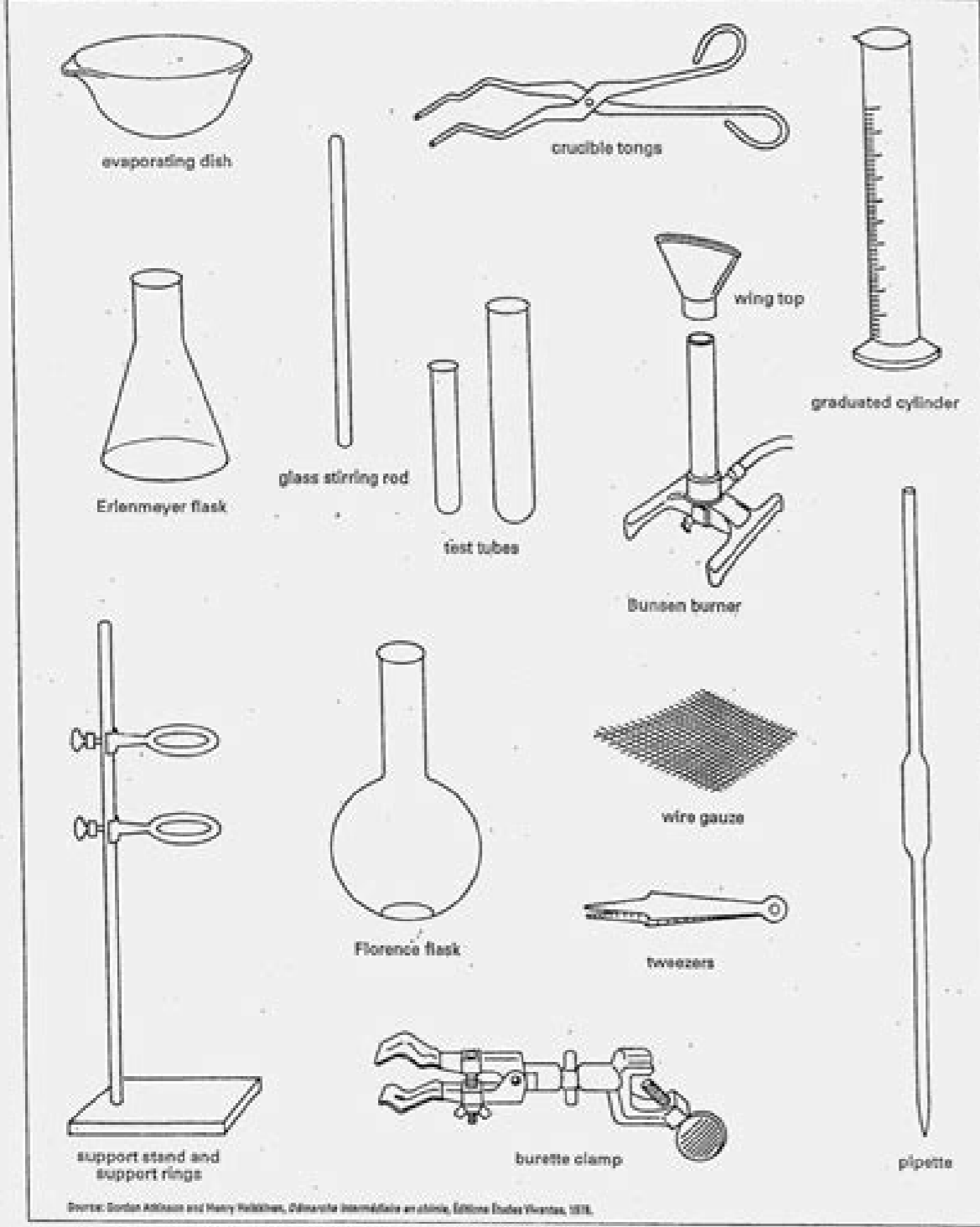
What are these objects called? What is their use? Where are they in the lab?

In this activity, you will learn the names and uses of these pieces of science equipment. You will also learn where to find the equipment that we use to be safe in the lab.

1. Look at the pictures of science equipment. Each piece of equipment is labelled with its English name. If you know the name of the object in your own language, write the word(s) beside the picture.



LABORATORY EQUIPMENT



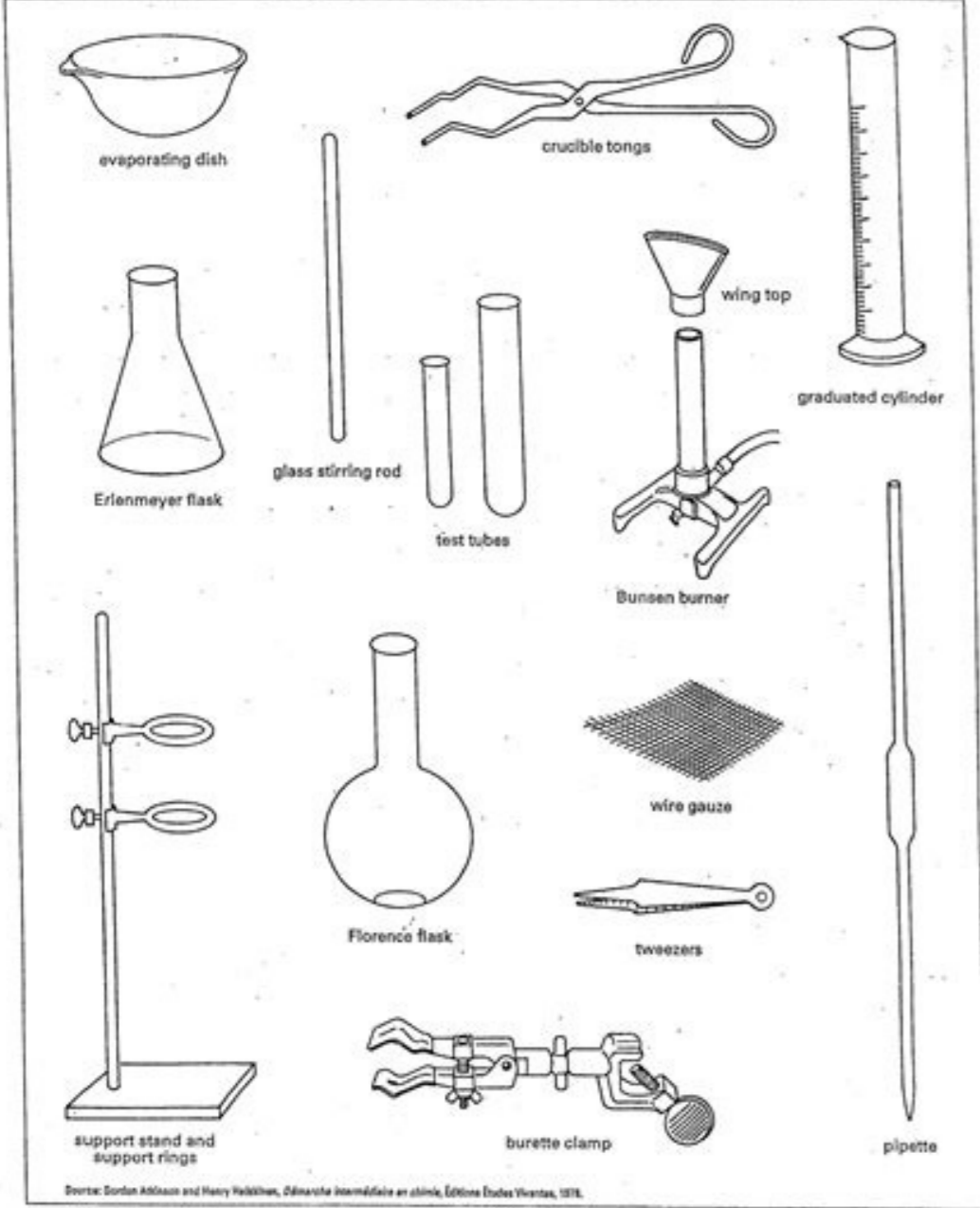
Source: Gordon Addison and Henry Halden, Chimie Intermediaire en chimie, Editiones Didier-Érudition, 1978.

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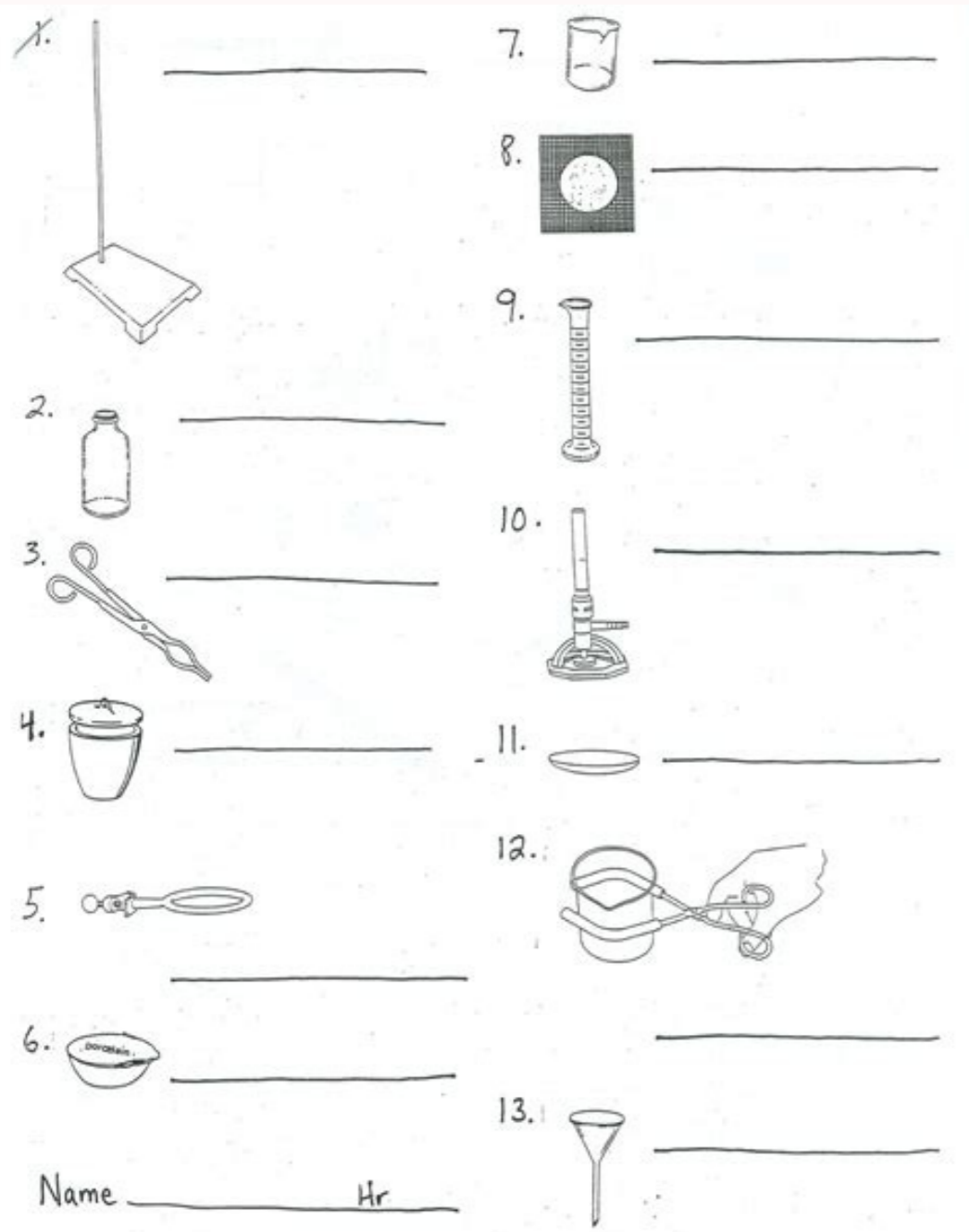
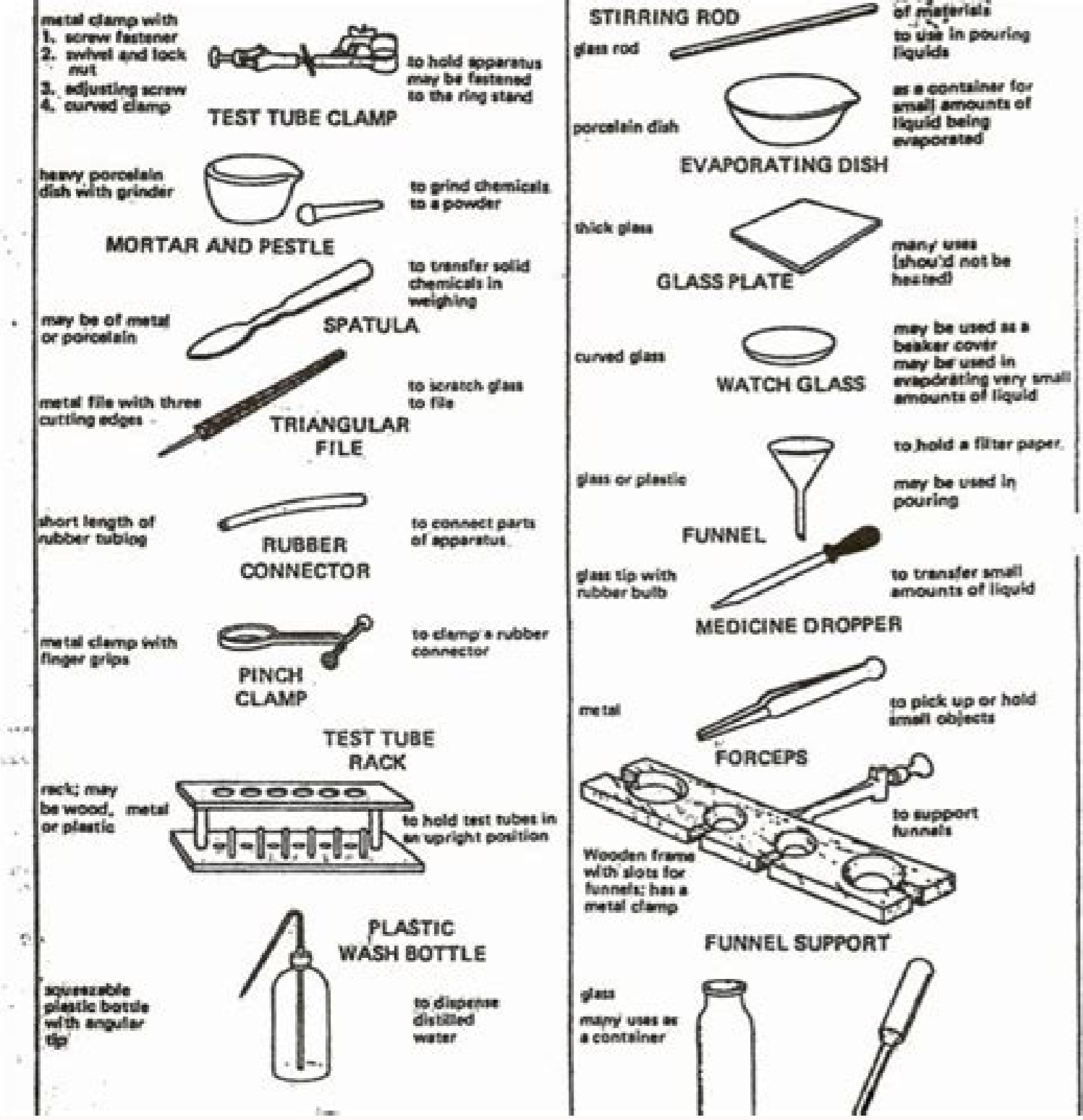
Student's Book, page 11  
Teacher's Guide, page 68

LABORATORY EQUIPMENT



Source: Gordon Addison and Henry Halden, Chimie Intermediaire en chimie, Editiones Didier-Érudition, 1978.

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Laboratory tools worksheet. Laboratory tools and equipment worksheet. Laboratory tools worksheet pdf.

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Displaying all worksheets related to - Common Laboratory Equipment. Worksheets are Lab equipment activity, Work lab equipment, Section 2, Common apparatus and procedures, Work lab equip answer key, A collection of work and laboratory experiments 2019, Topic 1 introduction to the lab lesson plan, 1 5.\*Click on Open button to open and print to worksheet. A laboratory or usually known as Lab is a place usually used to conduct or to-do an experiment or research. Certainly, there are a lot of tools that are provided to support those activities. Here is the list of tools that are available in the laboratory.

ItemFunctionMeasuring CupEquipment for measuring the volume of liquid that contains inside it, ranging from 10ml to 2 liters.Test TubeGlass tube that served to mix, contain, and react chemicals inside it whether in solid or liquid form.Volumetric FlaskTo alter a liquid or solution to a certain volume.Erlenmeyer FlaskFor mixing, measuring, and store a liquid or solution inside it.BeakerUsed to contain an object.Drop PipetteTo move a volume of liquid to another container in a certain amount.Measuring PipetteTo take and move a solution with a certain amount as stated with the size of the pipette.TripodTo support an object above it.Test Tube RackTo store, dry, and protect the reaction tubes so they will not be moldy or damaged.Test Tube ClampTo clamp the reacting tubes while the heating process occurs.Drip PlateA solid-surface used to test a liquid or chemical reaction.Mortar and PestleUsed to crush or smooth a solid object or object that is still in crystal form.Wire NettingTo hold a beaker and flask when heating using bunsen or puff.Nichrome WireTo identify a substance by means of flame test the subject.Separatory FunnelTo separate the components of the solvent phase with different densities which are usually used in the liquid extraction process.Stirring RodTo mix a solution with chemicals inside the laboratory.Glass CupUsed for many things; To place an object as observation material, to store materials that will be weighted later. The cover is usually used in the sample heating process.Distillation FlaskTo separate a solution to each individual component.CollectorTo cool a hot liquid and condense the vapor.Plastic or Metal SpatulasAs a medium for taking chemicals in solid or crystalline form.BuretteFor high-precision titrations and also for measuring the volume of a liquid or solution.FillersTo suck a solution or liquid.DesiccatorFor a place to store a sample that is water-free.Puff BurnerTo heat a solution or burn a substance in the process of a chemical or another experiment.Bunsen BurnerFor heating, burning, and also used for sterilizing Ose needles and others.Glass StirrerTo assist in homogenizing a solution and also to help drain the solution into the funnel.Stainless Steel SpatulasTo take chemicals in solid or crystal form.Porcelain CupFor a place to make up the material as well as to atomize the chemicals.Analytical BalanceTo measure a chemical with 0.00001-gram accuracy. It can only measure a maximum of 210 grams in weight.Bottle SprayTo store and spray a liquid.Burette ClampA surface to place a burette, separating funnels, and other laboratory equipment.CuvetteFor containers of objects to be tested or studied using a spectrophotometer.Cuvette RackTo store a cuvette.Ose LimitTo do inoculation.Shape StirrerTo flatten and mix the samples that are inserted into the media contained in the Petri dish.Puff LampFor sterilization (Lighting Ose) prior to inoculation.MicroscopeTo see and observe a micro-sized material.CentrifugeTo separate the particles from the precipitate substance.MicropipetteTo take a liquid by taking in a very small number of drops and volume.PH MeterTo measure the level of acid contained in the material.Rotator and MixersTo mix a bunch of substance that is about to be reacted.Fume CabinetTo limit exposure to harmful gases and also to protect against dirty dust in certain rooms.Litmus PaperEstimating the level of acidity or alkalinity contained in a liquid.Filter PaperTo filter a substance.Petri CupFor cell proliferation.OvenTo sterilize laboratory equipment.Universal IndicatorTo identify the level of acidity or alkalinity contained in a liquid by showing it on the color indicator.Liquid ThermometerTo measure the temperature of a liquid.ViscometerTo measure the viscosity of a substance.PycnometerTo measure the density and density of liquids.MultimeterTo measure current, resistance, voltage, and flowing voltage.Water BathTo carry out heating involving water media.Object GlassTo place an object to be studied or observed with a microscope.GlovesTo protect our hands from dangerous substances.Support RingTo support or clamp the separating funnel or breakage glass during the transfer of substances.Evaporating DishFor the evaporation container of substances that are difficult or cannot evaporate.Hot PlateTo heat a flammable substance when heated using a Bunsen burner.Magnifying GlassTo observe a small particle material. Those are the tools that are usually in the laboratory. In this activity, the student will explore a variety of tools and safety equipment to conduct science inquiry. The students will recognize science laboratory tools, including journals/notebooks, beakers, Petri dishes, meter sticks, graduated cylinders, hot plates, test tubes, balances, microscopes, thermometers, calculators, computers, timing devices, and other necessary equipment to collect, record, and analyze information. Additionally, the student will also learn of preventative safety equipmPage 2This set of 32 Laboratory Safety Task Cards will provide Middle and High School Students with Review and Reinforcement of the concepts found while studying Laboratory Procedures. The following concepts are covered in this set of Task Cards:identifying dangerous activities in the lab, identifying safety equipment, chemical spills, heating methods, eye care, safety symbols, safety procedures, broken glassware, fire safety, movement of equipment, post-lab clean-up, laboratory instructions.Along withPage 3Students read 10 statements each describing a particular laboratory task. They then select the appropriate piece(s) of equipment to perform the task from a bank of images. Images are pasted into the spaces provided.Great for interactive notebooks. Images, answers, and two editable pages included. Original artwork.The bank of images includes: beaker, beaker tongs, Bunsen burner, clay triangle, crucible & cover, crucible tongs, dropping pipette (eyedropper), Erlenmeyer flask, evaporating dPage 4This is a cut up featuring 20 common laboratory tools. There are two formats included in this download, 2 full pages and 4 journaling half-pages. The students will cut out the equipment names and descriptions and glue or tape them on to the master sheet. The tools included in the download are triple beam balance, graduated cylinder, test tube rack, safety goggles, Bunsen burner, microscope, hot plate, beaker, gloves, thermometer, test tube holder, test tube, Petri dish, funnel, timer/stopwatcPage 5This worksheet includes 40 common vocabulary terms regarding laboratory and phlebotomy basics in health care. Terms include: phlebotomy, reagent, waived test, autoclave, morphology, and other related terms.Students will provide the term to the correct meaning. Ideal for a CNA or Medical Assistant class and can be used as pretest, classwork, homework, assessment or unit review. Word bank and answer key provided.Please visit my store! Shellye's Health SciencesPage 6Professionally designed by Sniggle Sloth's team of talented artists, you'll love using our clipart in and on a wide variety of projects including, cards and invitations, scrapbooking, bulletin boards, journals, web sites and social media, online slides and presentations, laser engraving projects, heat transfer items (such as shirts and mugs), decals and stickers, party supplies, embroidery, product packaging and so much more!Included with this purchase:-One or more downloadable zip files for thePage 7A Troll in a Bowl cooperative game. Help shrink the giant animals at Smedley Laboratories. Hurry, though, the bunny is angry. Say your speech sound to peek under that card (gamecards are hidden there!)The Reinforcer version is included as well.All Nasals, Fricatives, Blends, Affricates, Stops/Plosives, and Glides.To use Boom Cards, you must be connected to the Internet. Boom Cards play on modern browsers (Chrome, Safari, Firefox, and Edge). Apps are available for Android, iPads, iPhones, and KinPage 8Chemistry Experiment BUNDLE provides written laboratories detailing the question, materials list, and procedure for a student to make an appropriate science write up. In addition to the written lab, you are provided the step by step guide to the scientific method, a fill in the blank lab report (question, research, hypothesis, planning or procedure, record sheet, and conclusion), fact sheet, data sheet, and reflection sheet.STEM!All science teachers are looking for resources for hands on, demonsPage 9This 20 term matching worksheet will help your students to learn about careers in a laboratory. Terms include: clinical chemistry, blood bank, clinical hematology, biochemist, pathologist, laboratory technician, and other relevant terms.Can be used as a pretest, warm up, classwork assignment, quiz, or review. Answer key provided.Please visit my store! Shellye's Health SciencesPage 10Remember how excited you were when you learned to ride a bike, skate, or drive a car? Teachers sometimes find it difficult to connect or involve students in the learning in the confined space of the one room classroom. In an effort to support our 21st Century Learners, we envision creating a state of the art ELA/Writing Laboratory which will include dry erase tables, tracing boards, phonics station, easels, and other tools to support the ELA/Writing curriculum.Page 11The "Rust" Laboratory provides a written laboratory detailing the question, materials list, and procedure for a student to investigate how rust forms. In addition to the written lab, you are provided the step by step guide to the scientific method, a fill in the blank lab report (question, research, hypothesis, planning or procedure, record sheet, and conclusion), fact sheet, data sheet, and reflection sheet.All science teachers are looking for resources for hands on, demonstrations, or possiblePage 12For Kids Ages 4 - 8 and Toddlers, Fun and Cute Coloring PagesPractice How to Color: summer steam, art, engineering, spaceship, astronaut, solar system, planets, earth, telescope, astronomy, robots, test tube, flask, scientist, mad scientist, professor, children's science experiments, cool science toys, science that will amaze kids and natural scienceBook Details:Size: 6 x 9 inches Detailed Coloring PageHigh Quality ImagesDouble Sided Coloring PageTest Your Coloring SkillsUsage:Fun Activity at HoPage 13Word Activities: Word Search Puzzle - 4 Difficulty Levels, Word Scramble - 2 Difficulty Levels, Secret Code, Crack the Code. Words: Microscope, Thermometer, Goggles, Beaker, Forceps, Funnel, Probe, Tongs, Scissors, Scalpel, Stopper, Pipet. Answer key included. Table Of Contents: Word Search - Difficulty Level Easy Find all the words hidden in the across and down, with no backwards. Word Search - Difficulty Level Medium Find all the words hidden in the across, down, and diagonally, with noPage 14Laboratory Instruments Crossword Puzzle This is a crossword puzzle that is easy to use as a homework assignment, station assignment, warm-up or for test review for the lab safety unit. This product comes with student sheet with word bank and answer sheet. Vocabulary Includes: Syringe, tongs, disposable gloves, first aid kit, microscope, safety blanket, ruler, magnifying glass, lab coat, safety shower, bunsen burner, fire extinguisher, pipette, forceps, eye, triple beam balance, eyewash,Page 15The Life Science Laboratories Bundle provides a written laboratory detailing the question, materials list, and procedure for a student to investigate many topics. In addition to the written lab, you are provided the step by step guide to the scientific method, a fill in the blank lab report (question, research, hypothesis, planning or procedure, record sheet, and conclusion), fact sheet, data sheet, and reflection sheet.All science teachers are looking for resources for hands on, demonstrations,Page 16The "Mold and Bread" Laboratory provides a written laboratory detailing the question, materials list, and procedure for a student to investigate whether or not mold grows on different foods at different rates. In addition to the written lab, you are provided the step by step guide to the scientific method, a fill in the blank lab report (question, research, hypothesis, planning or procedure, record sheet, and conclusion), fact sheet, data sheet, and reflection sheet. As long as Page 22ChemistryThe "Staining Teeth" Laboratory provides a written laboratory detailing the question, materials list, and procedure for a student to investigate whether tea, coffee or soda stains white egg shells. In addition to the written lab, you are provided the step by step guide to the scientific method, a fill in the blank lab report (question, research, hypothesis, planning or procedure, record sheet, and conclusion), fact sheet, data sheet, and reflection sheet.- As long as the students can gePage 23The "Evaporation Science Experiment" Laboratory provides a written laboratory detailing the question, materials list, and procedure for a student to investigate which liquids evaporates faster. In addition to the written lab, you are provided the step by step guide to the scientific method, a fill in the blank lab report (question, research, hypothesis, planning or procedure, record sheet, and conclusion), fact sheet, data sheet, and reflection sheet.All science teachers are looking for resourcePage 24Words: Microscope, Thermometer, Goggles, Beaker, Forceps, Funnel, Probe, Tongs, Scissors, Scalpel, Stopper, Pipet.Color by Word WorksheetFind the words on the grid, and color each section of the grid according to the design listed on the worksheet. Word Scramble - Color By Word WorksheetUnscramble each word. Find the words on the grid, and color each section of the grid according to the design listed on the worksheet. Answer key included. You can purchase ALL my Color By Word worksheets bundledPage 25Laboratory Assignment: pH TestingBy A simple lab for exploring the concept of pH. Students will test various solutions and record their data in a table and graph. Using their information, students will then draw conclusions based on their data. This document includes a Teacher Guide and Rubric. Laboratory Assignment: pH testing by Matthew L Gibson is licensed under a Creative Commons Attribution-NoDerivs 3.0 Unported License.Laboratory Safety AssessmentThis laboratory assessment is a multiple choice assessment that requires student analysis. Students must use knowledge and understanding to answer the questions. There are no short answers to reduce grading time and no true/false to eliminate the 50/50 chance of getting the answers correct.Subjects:Chapter 2: The Science Laboratoryby science laboratory, laboratory apparatus, laboratory materials, using a bunsen burner, safety precautions in the laboratory, hazard symbols, using the dry powder extinguisher, exercisesMolar Mass Laboratoryby This Laboratory has students get out of their seats to see how important the concept of molar mass (molecular mass) is. Students weight out a given sample provided by the teacher (I usually used salts and some metals). From that mass and the provided number of moles, students calculate the molar mass and identify what substance they are looking at. Great for an activity to get students out of the seats. I prepare the "chemicals" once in test tubes with stoppers and use them year after year.This is a simple laboratory activity that is fun to do with your class.You will need some sugar-gum (anything that isn't sugar-free) and some pocket scales. Students get to chew the gum and calculate the molecules of sugar they ingested.Chemistry students should have already been introduced to:1) conversion factors2) molar mass3) Avogadro's numberThere is one question on percent composition. This question can be an introduction to percent composition or a review of the subject. I don't believeTypes:Protozoa Laboratoryby This is a great laboratory experience where students learn about protozoa and the Kingdom Protista. This activity uses living specimens.Page 26The "Conservation of Mass" Laboratory provides a written laboratory detailing the question, materials list, and procedure for a student to investigate whether the mass of the reactants within the Alka-Seltzer reaction equals the products. In addition to the written lab, you are provided the step by step guide to the scientific method, a fill in the blank lab report (question, research, hypothesis, planning or procedure, record sheet, and conclusion), fact sheet, data sheet, and reflection sheet.

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