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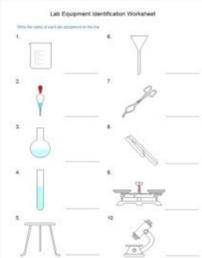
# Laboratory equipment list with pictures pdf



1. OPERATORIES			
ITEM	#	UNIT REPLACEMENT COST	CURRENT TOTAL REPLACEMENT COST
Dental Chair(s)			
Operating Units (including air driven hand pieces)			
Amalgamators			
Individual Hand Pieces			
Sterilizers			
Autoclaves			
Compressor(s)			
Cabinets			
Articulators			
Operating Lights			
Assistant Stool(s)			
Operating Stool(s)			
Oral Evacuator System			
Pneumatic Condenser			
Nitrous Sedation Unit			
Hand Instruments			
Hydrocolloid Conditioner			
Misc. Oper. Room Supplies			
Intra Oral Camera			
Filling Material & Supplies			
Misc. Surgical Supplies			
Prosthetic Supplies			
Prosthetic Accessories			
X-ray Processors			
Developing Equipment			
X-ray Supplies			
Other X-ray Equipment			
Other			
Other			
<b>TOTAL #1</b>			

2. LABORATORY			
ITEM	#	UNIT REPLACEMENT COST	CURRENT TOTAL REPLACEMENT COST
Benches			
Burnout Oven			
Casting & Soldering Bench			
Electric Welder			
Model Trimmer			
Polishing Lathe & Hood			
Cabinets			
Other			
Other			
<b>TOTAL #2</b>			

3. BUSINESS OFFICE & RECEPTION AREA			
ITEM	#	UNIT REPLACEMENT COST	CURRENT TOTAL REPLACEMENT COST
Desks			
Tables			
Chairs			
Couches			
Typewriters			
Computer Hardware & Software			
Adding Machines			
Photocopier			
Filing Cabinets			
Stationery Supplies			
Carpets			
Lamps			
Drapes			
Sound System			
Pictures & Ornaments			
Other			
Other			



## Laboratory equipment list with pictures pdf.

This is usually done by heating the evaporating dish over a burner. They can be used for evaporation purposes and also can function as a lid for a beaker. Crucibles A crucible is a small clay cup made of a material that can withstand extreme temperatures. A small droplet of acid could splash out of the container at any time. It is used to measure an exact volume of liquid. Burets are one of the most accurate tools in the lab. Burets are set up by using a buret clamp in combination with a ring stand, discussed below. To determine how much liquid is added, write down how much is initially in the buret. If the test tubes become unsafe to touch with bare hands (whether due to heat or another reason), test-tube tongs can be used to move them. Never heat a capped test tube. Watch glasses A watch glass is just a round piece of glass that is slightly concave/convex (think of a lens). Pressure build-up and explosions can and do occur. Test tubes being lifted with tongs from a rack A test tube is a glass tube with one end open and the other end closed. This allows easy mixing and swirling of the flask without too much risk of spilling. Shop condensers and accessories. Some information that I found here was not on other websites. Buchner funnels (pictured) are special two-piece funnels for filtering mixtures through filter paper into a filtering flask. Stoppers are used to seal narrow-mouth containers such as flasks and test tubes, and to hold pieces of glass tubing for distillation experiments, or to mount thermometers inside a flask. Smaller sizes can be more accurate, but hold less volume, while larger sizes sacrifice accuracy for volume. Support stands (pictured) are much more versatile and can have various clamps or rings mounted to them to hold several pieces of equipment at once. The process can be accelerated with a vacuum pump. Wire mesh is laid across the ring to distribute evenly heat and support the beaker. Right above the bottom opening is a stopcock that can be turned to control the amount of liquid being released. Now I'm sure I will get a tick for my science assignment. Caleb on February 09, 2020: thanks it help me a lot it help me a loti hope you will be bless with more knowledgeameerah on February 08, 2020: Thanksabubakar on February 07, 2020: thanks a lot but my teacher ask me to give 50 chemistry laboratory apparatusMike on February 06, 2020: Really good InfoJames Jay on February 06, 2020: this is really helpful though didn't cover the range of my assignmentumar lawal bakuru on February 04, 2020: chemistryVishu kumar on February 03, 2020: Very nice workParul Rajput on February 02, 2020: Very use full thanks a lotCassius on January 31, 2020: Thank youJulius bitoe on January 26, 2020: The apparatus use to measure liquidMaureen on January 24, 2020: it very comprehensiveBONGI on January 23, 2020: THANK YOU . Mohr pipettes are graduated pipettes used for precise measurement. It can be made of glass or it can be a thermocouple made of different metals. An unlit Bunsen burner connected to a gas source A Bunsen burner is a mechanical apparatus that is connected to a flammable gas source. Glass tubing is usually inserted into stoppers to attach rubber tubing, but it can also be used to splice two pieces of rubber tubing. See all sizes of mortars and pestles. They can have either round or flat bottoms. Browse stands. It is important not to move a balance because they have been calibrated for the exact position they are in. Rubber tubing is used to connect evaporating chambers, flasks, condensers, and other glassware, usually in distillation processes. Beakers come in a wide range of sizes. Because of the lip that runs around the rim, a lid for a beaker does not exist. Lab stands also come in many different styles: wire stands, tripods, or heavy support stands. This is called the meniscus. My assignment is now done. Bipasha Karmakar on April 17, 2020: Mam I have to do assignment you will help mePROMISE on April 14, 2020: MY HOMEWORK IS DONE THANXART on April 09, 2020: my homework completeSamuel on April 06, 2020: Thnx very muchSamuel chan on April 06, 2020: Thanks 4 giving mi diz aparatu's name n dere functionsJoshua lemayan on April 06, 2020: Not what am looking for, but helpfulDJ on April 02, 2020: Thx for the apparatus name for my homeworkMUSA on March 30, 2020: THANKS. GOOD IN DETERMINING QUALITY ASSURANCEAy on March 28, 2020: Thanks so much for help me completed my assignmentg on March 27, 2020: thanks ladzzzzMariam on March 24, 2020: Thank u my assignment is doneMostafa on March 24, 2020: thankshi on March 23, 2020: helpedi have exam today on March 17, 2020: thankshello on March 16, 2020: awesomelkdjfh on March 15, 2020: this is very helpful for my studyAMJAD KAMAL BHARTI on March 13, 2020: THANKSBibhu on March 11, 2020: Thank you very muchMrs gelliew on March 10, 2020: thanks it helped me very very muchJohn ocan. Close these doors whenever the balance is in use. To use a balance to determine the weight of a chemical, first put the empty container that the chemical will be in on the balance. There is a knob to adjust the amount of gas flow and a rotating collar that controls airflow. They come with special caps that will not let anything in or out. Remember that temperature affects volume; therefore avoid using liquids that will fluctuate in temperature (hot water that will cool, for example). DroppersThese are small glass tubes with narrow tips on one end and a rubber bulb on the other. They are made from heat-resistant ceramics to prevent breakage. There are several markings up and down the length of the container with specific increments. Pipettes or droppers (pictured) are used to measure or transfer liquids a few drops at a time. However, a watch glass (discussed below) can be used to cover the opening to prevent contamination or spilling. Erlenmeyer flasks, AKA conical flasksAlso known as a conical flask, the Erlenmeyer flask was named after its inventor in 1861. See more beakers. Erlenmeyer flasks, like beakers, can be used to mix, dissolve into solutions, and heat or cool solutions. Browse filtering flasks. Lab burners come in many different styles and usually run on alcohol, propane, or butane. Only tighten until snug. When using a ring on the stand, there are usually other pieces necessary to accomplish the goal. When clamping glass, be careful not to shatter the glass. Shop crucibles. Remove the container from the balance and add the chemical (never add chemicals to a container while it is on the balance). Pack your science workspace like a pro with this lab equipment names and pictures guide. A weighed amount of solid chemical is placed at the bottom, and the liquid solvent is added until the fill line is reached. Using this picture glossary will ensure that you choose the right equipment. Griffin beakers are used to mix chemicals, dissolve into solutions, heat or cool solutions, and hold sand or water baths. had exams coming up.Codie on May 27, 2020: I need apparatus the i can use for practical of separating the components of soilExcel on May 24, 2020: ThanksRichmond Ayer Jerry on May 11, 2020: Thanks for moreHumphrey on May 11, 2020: ThanksElla on May 11, 2020: ThanksAbdulbasid rabiu on May 06, 2020: Thank you moreGift on April 29, 2020: Thanks so muchOCH RON on April 29, 2020: IT'S VERY IMPORTANTANCE.THANKKwala Aydi on April 28, 2020: very important to read this article. Thank youLimon on April 26, 2020: ThanksShagor Ahmed on April 21, 2020: Thanks a lotAJ on April 21, 2020: Thanks. See all test tube sizes. Watch glasses can be used to cover beakers, evaporate water from solutions, weigh out solid chemicals, or observe samples under a stereo microscope. Graduated cylinders are used for precise and accurate measurement. It is used to hold liquids and can be easily swirled and heated. It has a narrow neck and expands toward its base. View more flasks. Here, you will find a picture and an explanation for how to use each piece of equipment. They can be made of plastic or glass and can have either a short stem or a long stem, depending on what they are needed for. See more now. There are markings along the length of the tube that indicate the volume of liquid present. A buret is used for extremely accurate addition of liquid. This is done by sending the vapor through a long (often coiled) glass tube to cool. Browse all stoppers - solid, one- and two-hole. (You can download this guide as a reference.) Or browse our store for all chemistry lab equipment and supplies. Crucibles are used to melt or burn solid chemicals over a burner. View more graduated cylinders. on March 06, 2020: Thks u 4 giving me all the names of apparatusNora on February 28, 2020: Wow am really amazed by theseAisha on February 24, 2020: My name is Aisha Sadiq dis vry vry nice thanks once againKYALA GEORGE on February 23, 2020: Thank u for teaching us your helping is highly appreciatedHanako on February 21, 2020: Thank you! This helped me so much in my examsJackona on February 15, 2020: Isn't a Florence flask like a volumetric flask?Anonymous on February 15, 2020: really good information and really specific ones too excellentClement on February 13, 2020: Thanks to these website... A mortar and pestle is used to crush up solid chemicals into smaller pieces, or to grind solids into fine powder. There are also general tongs. Forceps are used to grab small things like solid chemicals that are broken into chunks, so they can be safely handled and added to containers. Three scoopulas on the left and a number of spatulas to the right. Spatulas and scoopulas are for scooping solid chemicals. The narrow opening, or also allows for the use of a rubber or glass stopper. Line the lowest point of the meniscus up with the nearest marking, keeping the cylinder level to properly read the volume. Volumetric flasks A volumetric flask is a round flask with a long neck and flat bottom. A clay triangle with an open center is used to suspend crucibles. Make sure everything is balanced! Do not let the whole setup tip over. Two tongs above and a pair of forceps belowTongas and forceps are for grabbing things that should not be touched by hand. Some balances have plastic housing with small doors to keep air currents from affecting the measurement. A tube near the top prevents unwanted pressure buildup. Condensers are used to condense chemical vapor into a liquid. There is a small line on the neck that indicates how far to fill the bottle (use the bottom of the meniscus). Filtering flasks are used to filter mixtures through a funnel and filter paper. They are used when you're finished adding, write down how much is left. The closed end is rounded. They stop up liquid that can then be squeezed out in small drops. See all funnels. They are used to heat or boil solutions, burn or melt solid chemicals, or form glass tubing. Thanks.Varalakshmi on July 17, 2020: Thanks alot. In addition, they can be plugged with stoppers and used to catch vapor or condensed liquid. Thank youCorey O'Connor on January 16, 2020: This is awesome! Love Cookies on June 26, 2020: Ummin, does anyone, know what a spill is. I need to find a piece of equipment called a spill. Plz helpMichael Wol Bol on June 26, 2020: I like sciences subject so muchFishav Kumar on June 17, 2020: There should be it's uses alsoJayne on June 13, 2020: thanks alotsssskkkkkkkkrrrr on June 09, 2020: i just use this for my homework bhHellen lungu on June 07, 2020: Thank you very much i like the way the notes are summarized they are easy to understandTiker on June 04, 2020: I just need to know the apparatus that it can prevent direct heat to apparatusThank you so much for this in show how you can practise you self at home during the pandemic of covid19 thank you so muchSin on June 03, 2020: #THANKSHussain is dumb on June 02, 2020: Thanks.disha narayanan on May 30, 2020: thank you so much. Test tubes are used to hold small samples. One of his specialities is writing on chemistry.A List of Basic Chemistry ApparatusIn most labs, you'll encounter the same basic apparatus. Graduations are not very accurate. Burettes are used to measure liquids drop-by-drop for titration experiments or other experiments requiring precise measurement. Browse pipettes. These both must be adjusted to get an ideal flame for heating purposes. Funnels are used to pour liquids into narrow-mouth containers such as flasks and bottles. View all watch glasses. The smaller they are in diameter, the more specific the volume measurements will be. When reading the volume from a graduated cylinder, you will notice that the liquid seems to have an indentation. They typically have graduations, but they are not very accurate. They are typically used to scoop a chemical out of its original container onto a weigh boat so that it can be weighed on a balance.ThermometersA laboratory thermometer is used for measuring the temperature of liquids. However, they are all for measuring an exact volume of liquid and placing it into another container. A buret. The burner is lit with a striker.Utmost safety is required when using a Bunsen burner. Balances A balance is used to weigh chemicals. They are also easily capped with a rubber or glass stopper. They are generally held in a test tube rack specifically designed for the purpose. Florence/boiling flasks are round to provide uniform heating or boiling of liquids. They also commonly have lips around their rims and markings to measure the volume they contain, although they are not a precise way to measure liquids. Graduated cylinders come in many sizes. Wash bottles are plastic bottles with a nozzle at the top for rinsing glassware, cleaning/disinfecting, or applying solutions. Look at wash bottles. It is used for mixing, stirring, and heating chemicals. It can hold a small amount of liquid or solid. The liquid around the edges will be higher than the liquid in the center, sloping down like the sides of a trampoline when someone is standing in the middle. Evaporating dishes are used to separate water and solids from a solution by allowing the water to evaporate off into the air. Shop glass tubing, sth to read during covid-19 timepractice on April 21, 2020: thanks for your memorable helpsreoshi saba on April 20, 2020: thanksKeza Sonia on April 17, 2020: Thank you so much for all your help and support. Better safe than permanently blinded!Latex gloves should be used when there is a possibility of corrosive chemicals spilling onto your hands. A lab apron or coat can also prevent injury in case of spills or splashes. Never wear open-toed shoes or sandals in a lab. Beakers A beaker is a common container in most labs. Shop all flasks. This makes dissolving solids into solutions much easier. Volumetric flasks are used to accurately prepare solutions. They can be used to mix or store solutions as well as collect vapor in distillation processes. View all burettes and accessories. It can be cut with a file or tubing cutter and shaped with a flame. More Tips on Teaching Homeschool Jonny-Ringo, first and foremost, loves to read and write. By adjusting the stopcock, the amount of liquid that is released can be slowed to a drop every few seconds. It can easily be clamped to a ring stand (discussed below) as well as heated or shaken mechanically. Once again, the marks on the side are meant primarily for estimation rather than precision. An important safety tip here is to never heat this flask while it is capped. There are several sizes that can be chosen from based on the amount of liquid that needs to go through them quickly. Graduated cylindersThis is a primary measuring tool for the volume of a liquid. They can be filled with a variety of reagents, such as water or alcohol. These are usually attached with a clamp to a ring stand, as shown in the picture below. A buret is a glass tube that is open at the top and comes to a narrow pointed opening at the bottom. At least i get to know more apparatus that exists in a laboratoryWK on February 13, 2020: Really helpful. Thank you!It was worth while on February 10, 2020: It was worth my assignment thanks alotMulenga on February 09, 2020: Nice notes!an on February 09, 2020: Thanks for the info. A common place to see these is the biochemistry lab. Not wearing them puts you in danger of eye irritation and possibly blindness in the case of an accident. You will learn about: Safety goggles and safety equipment Beakers Erlenmeyer flasks, AKA conical flasks Florence flasks, AKA boiling flasks Test tubes, tongs, and racks Watch glasses Crucibles Funnels Graduated cylinders Volumetric flasks Droppers Pipettes Burets Ring stands, rings, and clamps Tongs and forceps Spatulas and scoopulas Thermometers Bunsen Burners Balances The Equipment You Will Encounter and Their Functions Safety goggles and safety equipmentThe first and foremost rule of any laboratory is to be safe! This may seem obvious, but people often disregard safety protocols for one reason or another, putting themselves and those around them in danger. Test tubes are used to observe chemical reactions, mix solutions, heat solutions, melt or burn solids, and perform chemical analysis. The best thing you can do is to make sure you follow all safety protocols at all

times.Safety goggles are required wear in all chemistry labs. Subtract the final amount from the initial amount and you have the volume of liquid added.Again, remember to measure from the bottom of the meniscus!Attaching a buret to a ring standRing Stands, Rings, and Clamps Ring stands with rings attachedThe ring stand is used to suspend burets, beakers, flasks, crucibles, etc. Once you have a reading, press the "tare" or "zero" button on the balance. Reweigh after adding the chemical to find the weight of only the chemical.It is important to keep the balance clean.robrob on August 31, 2020-this is alittle help!ullocaste on August 31, 2020-this was helpful :)Booboo on August 24, 2020:Thanks, super helpful!Louis on August 17, 2020:This is the best ever gift on August 12, 2020-it is really good!Bianca on August 10, 2020:Thank YouArslan on August 08, 2020:Thx for this because it is really good for me and my project purposeRomeo on August 06, 2020:Thanks you a lotjeff on August 03, 2020:not much usesAnna on July 27, 2020:Thanks a whole lot,You guy's are the best. They are used for heating substances and come with lids.FunnelsA lab funnel is just like any other funnel except that it was designed to be used in a laboratory setting. Barnes bottles (pictured) are small bottles with dropper lids for drop-by-drop measurement. Most beakers have spouts on their rims to aid in pouring. Shop all lab burners. Shop various bottles. Bottles are used to store solid and liquid chemicals for extended periods of time. This website hepled alot.Acş. YOU HELPED ME SO MUCH BECAUSE I AM ABOUT TO WRITE A TEST IN THE NEXT COMING HOURSZanna esteem on January 23, 2020:Goodstephen on January 23, 2020:very usefull thanks a lotKind burp on January 21, 2020:this is really helpful for people who are just going back in a chemistry class and want to remember stuffHakeem on January 18, 2020:Thanks a lotL.C. on January 16, 2020:I liked the descriptions along with the actual names of the lab equipment. Some tongs are specially made to hold beakers, others to hold test tubes, and so on.

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