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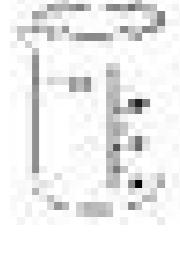
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Name _____

Date _____

Laboratory Equipment Worksheet

Name and describe each piece of laboratory equipment.

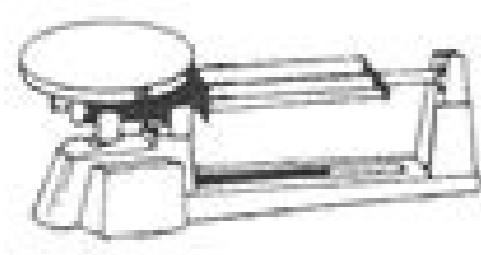
| | |
|---|---|
|  | 1. Name: Ring Stand Use: To fasten to the desk stand as a support for apparatus. |
|  | 2. Name: Tripod Stand Use: To hold apparatus over a flame. |
|  | 3. Name: Round-bottom flask Use: To hold liquid. |
|  | 4. Name: Graduated cylinder Use: To measure liquid. |
|  | 5. Name: Funnel Use: To transfer liquid from one container to another. |

| DESCRIPTION | APPARATUS | USE |
|---|---------------------|--|
| iron ring with screw fastener - several sizes | IRON RING | brush with wire bristles to clean apparatus |
| metal clamp with 1. screw fastener, 2. mort. 3. wedge 4. curved clamp | TEST TUBE CLAMP | to hold apparatus may be used to the ring stand |
| heavy porcelain dish with powder | MORTAR AND PESTLE | to grind chemicals to a powder |
| spatula | SPATULA | to transfer solid chemicals in weighing |
| metal file with three cutting edges | TRIANGULAR FILE | to scratch glass or file |
| short length of rubber tubing | RUBBER CONNECTOR | to connect parts of apparatus |
| metal clamp with finger holes | PINCH CLAMP | to clamp a rubber connector |
| neck may be made of metal or plastic | TEST TUBE RACK | to hold test tubes in upright position |
| plastic bottle with stopper | PLASTIC WASH BOTTLE | to dissolve solids in water |
| rubber bulb with glass tube | WIDE MOUTH BOTTLE | to hold liquid gas collecting and delivery tube from gas generator |
| pneumatic trough | PNEUMATIC TROUGH | used in micro experiments |

| DESCRIPTION | APPARATUS | USE |
|---|-------------------|--|
| brush with wire bristles to clean apparatus | TEST TUBE BRUSH | as stirrings of materials |
| glass rod | STIRRING ROD | as a conductor for small amounts of liquid being heated |
| porcelain dish | EVAPORATING DISH | many uses (heat or not be heated) |
| curved glass | Glass PLATE | may be used as a beaker cover or in evaporating very small amounts of liquid |
| watch glass | WATCH GLASS | to hold a filter paper, may be used in place of |
| glass or plastic | FUNNEL | to transfer small amounts of liquid |
| glass tip with rubber bulb | MEDICINE DROPPER | to pick up or hold small objects |
| metal | FORCES | to support, handle |
| plastic | WOODEN FRAME | a slide viewer or a container |
| glass | WIDE MOUTH BOTTLE | a filter or a container |
| thin stem | THIN STEM PIPETTE | used in micro experiments |

Apparatus Identification

Part A. Match each piece of apparatus with its use by writing the correct letter or letters in the spaces provided.



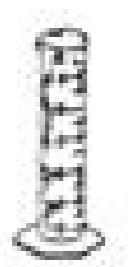
A. Balance



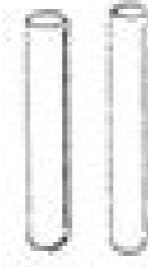
B. Beakers



C. Thermometer



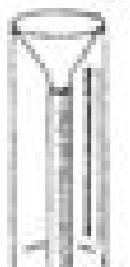
D. Graduated Cylinder



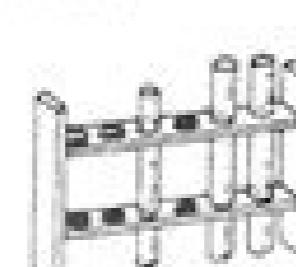
E. Test Tubes



F. Stirring Rod



G. Rain Gauge



H. Test Tube Rack



I. Barometer



J. Bunsen Burner



K. Tripod, Wire Gauze Square



L. Metric Ruler



M. Test Tube Holder

- | | |
|---|---|
| <input type="checkbox"/> 1. Measuring temperature | <input type="checkbox"/> 6. Holding a hot test tube |
| <input type="checkbox"/> 2. Measuring volume | <input type="checkbox"/> 7. Mixing solutions |
| <input type="checkbox"/> 3. Measuring precipitation | <input type="checkbox"/> 8. Measuring air pressure |
| <input type="checkbox"/> 4. Providing heat or an open flame | <input type="checkbox"/> 9. Measuring length |
| <input type="checkbox"/> 5. Measuring mass | <input type="checkbox"/> 10. Placing an object for heating over a Bunsen burner |

WARNING: THESE LAB RULES WILL ALWAYS BE FOLLOWED.
VIOLATORS WILL BE ASKED TO LEAVE THE PREMISES AND WILL
NOT BE ALLOWED TO PARTICIPATE IN AWESOME LAB DEMOS.
WORD TO THE WISE: DO NOT BREAK THE RULES.

SAFETY FIRST. SERIOUSLY.

1. DO NOT TOUCH ANY EQUIPMENT OR SUPPLIES

until explicit instruction has been given for you to do so. Love having your limbs? Me, too! Keep them in tact by following this rule. It might just save your finger!



2. REPORT ACCIDENTS OR SPILLS IMMEDIATELY.

Accidents happen. It's OKAY! But it's NOT okay to hide them. Properly cleaning up accidents and spills is the best way to ensure that no one gets hurt in our lab.



3. FOLLOW ALL LAB INSTRUCTIONS.

Lab instructions will be given for each different experiment or lab activity that we have throughout the year. Your job is to listen carefully and follow each one.



4. HORSEPLAY WILL NOT BE TOLERATED.

Save the running, jumping, jogging, skipping, and hopping for recess. If something gets broken, disaster might strike. Let's all behave like the REAL scientists that we are.



5. NO FOOD OR DRINKS DURING LABS.

Food + Chemicals = Lots of sick scientists. They don't mix. Please keep food and drinks away while we are conducting experiments or participating in lab activities.



5. IF YOU DON'T KNOW...ASK!

Ask questions --> ALWAYS. If you aren't sure about how something works, ASK. If you don't know and you don't ask, how can you learn? REAL scientists constantly ask questions, so never, ever be afraid to ask anything.





Chemistry safety lab. High school chemistry lab safety.

The American Chemical Society, Committee on Security (CSS), the CSS promotes and facilitates safe practices in quantic activities. This is extent scholarships so that elementary school teachers and dio receive scientific security courses from one days to very small prices. Updated Security Guidelines for Laboratories of Teaching Chemicals, from the American Chemical Society, Committee of Security. Download the laboratory classes in PDF present exclusive challenges and opportunities. QUAMIC EDUCATORS LEGAL RESPONSIBILITY INCORNTENCE OF AACT and ACS members at a cost, this controversy provides coverage adapted to educators. SAFETY RUBBUARY Evaluating Demonstration Videos Quemica The purpose of this rubric is to provide a model for educators to review the security and pedagogy of the demonstration of demonstration to determine whether they should be used & eught in the classroom. The Institute of Security of the Laboratory offers free security guides, pan'sters, vade and other resources for teachers. A Model of Testing Teacher of "Arc -Aris" safer use this simple model with its quantic demonstrations and laboratory experiments to help you recognize risks, evaluate and minimize the risks of these risks and prepare to be prepared for Emergency. The site provides a variety of features, including alternative laboratory configurations, using green quarmic products, adequate quarmic disposal, safety vines and more. If the PDF does not display below, you may also download it here. Visit the site for access to a conduct of the student's laboratory conduct and other security guidelines for the classroom. It provides protection against scratches in classrooms, teaching and research laboratory and community dissemination activities. The course addresses how to design a safe laboratory. Cleaning of Quantum storage area, among other security tags. Teachers at the Flinn Scientific Lab Mother School can take advantage of Flinn's free security training. This spreadsheet can help students understand the secure secure laboratory and good tons. US Security Council (CSB) The CSB released a security bulletin in the way of methanol accidents, "Innements -chave to prevent incidents of inflamable quantic products 'In educational demonstrations'. Rehab the laboratory a collection of contained in secure security compiled by King County, Washington, School Chemistry Laboratory Guide This Security Guide provides an invention of dangerous substances that teachers may be using with their students, a fancism of reading to create a safe learning environment in the laboratory for students and information to take precautionary action to prevent or minimize risk, harmful exhibitions and laboratory injuries. American Chemical Society, a division of education division of resource discovery for younger students, such as holding the elementary science classroom and Mill's security tips for children. The administration of security and occupational (OSHA) databaseosha maintenance of the database of data on fanic properties, exhibition guidelines and response information information, in formation.

1/5/2022 · This math worksheet helps your child understand place value by reading and writing 5 digit numbers. Place... Read More . Worksheet. Free Easy Dot To Dot Printables 1-10 May 1, 2022. Choose to connect 5 10 15 20 or 30 dots per picture. Egg connect the ... We offer a full range of dissecting equipment to fit all your lab needs. There are sets available for all skill levels or can be customized. Lab Equipment. Carolina is your quality source for a well-equipped lab. Take time to view our high quality science lab equipment that has proven durability to handle any lab activity. Interested in seeing how well you know a particular chemistry concept? Take Study.com's brief multiple-choice quiz. Obtain rapid feedback and results to ... Forensic Science A to Z Challenge (PDF) - Students must use clues to identify forensic science terms and then find them in a "bent word" style word search. They use the letters that remain in the puzzle to figure out a mystery word. Memory Match Game (PDF) - This game challenges a student's ability to remember what they've seen as they examine cards with a variety of ... 13/12/2021 · Lab Techniques. When you first set foot inside a chemistry lab, it can be a little overwhelming. There are chemicals in bottles, flame sources, and all kinds of fragile glassware. Hints for Chemistry Merit Badge. Safety equipment includes: chemical fume hoods, eyewash station, fire blanket, fire extinguisher, first aid kit, goggles, gloves, lab coats, and safety shower. If some of the experiments can be done in school science class, that's efficient. Terminology for the Chemistry Merit Badge 11/9/2020 · Students should wear proper safety gear during chemistry demonstrations. ... High school teachers may want to extend this demonstration to a lab opportunity to teach Limiting Reactants & Percent Yield, ... Safety goggles and lab apron are required. Wash your hands thoroughly before leaving the lab. The Department of Chemistry has a long tradition of excellence in the chemical sciences. Today our faculty and students are leading quests for cleaner energy sources, better battery technology, greener chemical production, improved biomedical diagnostics and a host of other work that addresses fundamental challenges of national and global importance. UMass Chemistry Fosters Collaborations: A member of the Thayumanavan Lab pipets protein-containing nanogels for SDS-PAGE analysis in the Hardy Lab Thayumanavan group uses fundamental supramolecular and synthetic chemistry tools to impact a broad range of challenges including therapeutic delivery, sensing and diagnostics

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