



6 YEARS
OLD AND UP

TOOLS REQUIRED



PHILLIPS
SCREWDRIVER



2 AA BATTERIES



3 LR1130 BATTERIES
(PROVIDED)



WARNING

CHOKING HAZARD - Small parts. Not for children under 3 years old.



WARNING

- Do not mix alkaline, standard (carbon zinc) and rechargeable (nickel hydride) batteries.
- Do not mix old and new batteries.
- Non-rechargeable batteries should not be charged.
- Rechargeable batteries should be charged under adult supervision only.
- Exhausted batteries should be removed.
- The supply terminals should not be short-circuited.
- Do not put batteries next to or in a heat source (fire, electronic heating device, etc.).
- Do not hit batteries against hard objects.
- Do not submerge batteries in water.
- Batteries should be inserted with the correct polarity.



WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH of CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



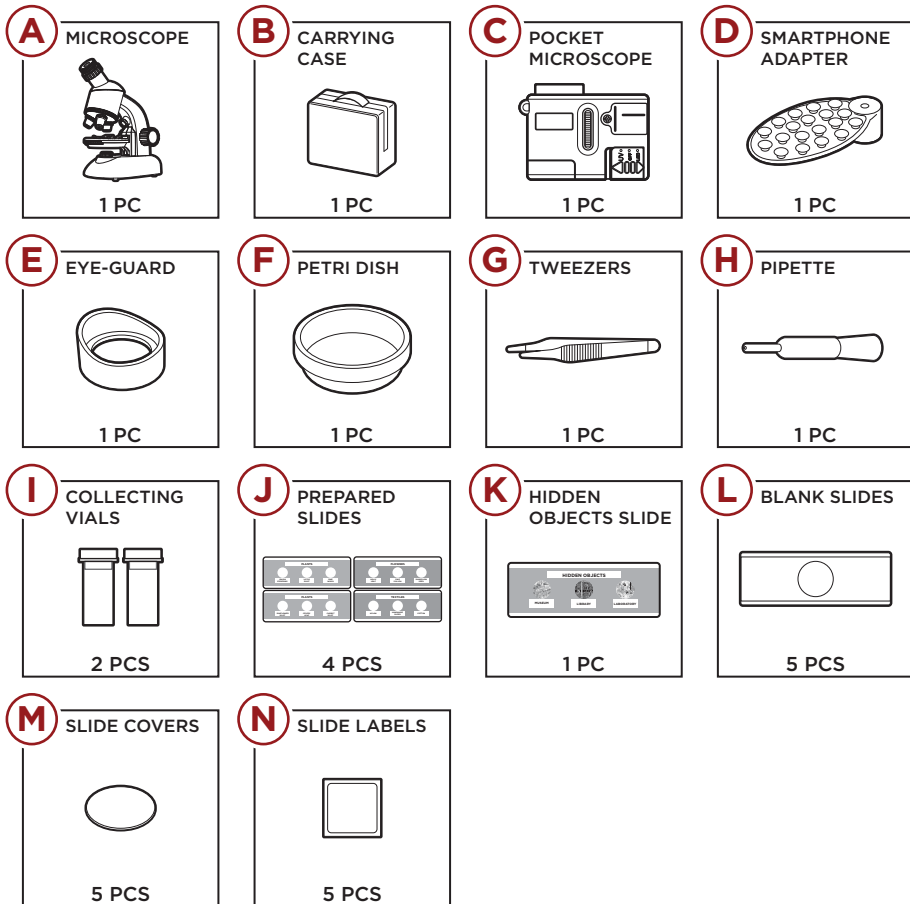
NOTICE

Please retain these instructions for future reference.

- Do not alter this product in any way as it may result in product failure.
- If any parts are missing, broken, damaged, or worn, stop using this product until repairs are made and/or factory replacement parts are installed.
- Do not use this item in a way inconsistent with the manufacturer's instructions as this could void the product warranty.
- This product is intended for residential use only.

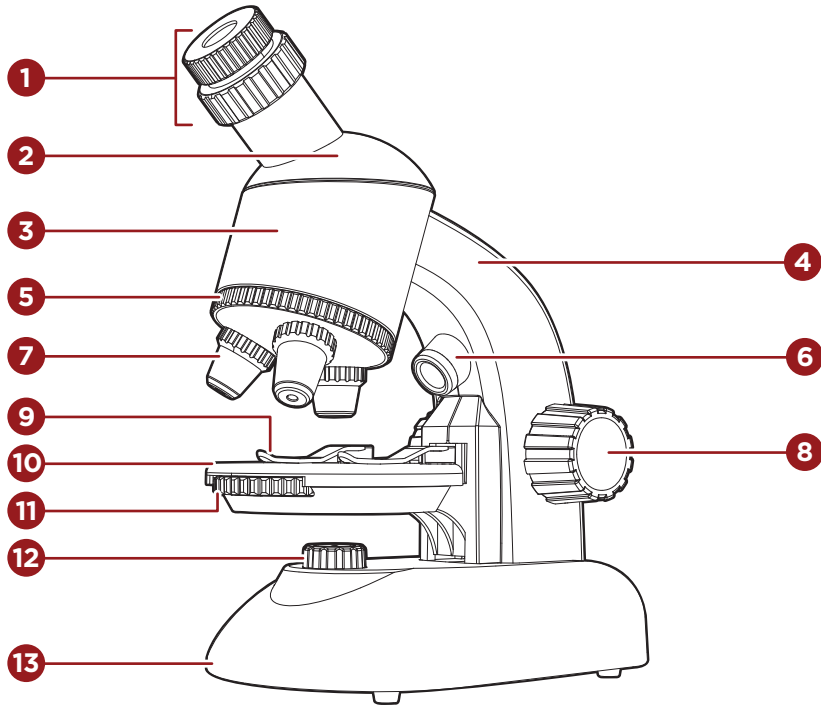
AGE RANGE: 6 years old and up

PARTS



- A. Microscope** - Lenses magnify small objects, making them visible to the human eye. A *light microscope* shines light from the bottom to see inside the sample. A *dissecting microscope* shines light from the top to reveal tiny details.
- B. Carrying Case** - Easily secure the microscope and accessories for storage or transportation.
- C. Pocket Microscope** - Easy-to-use LED lighted pocket microscope with 60x magnification.
- D. Smartphone Adapter** - Save or share photos and videos of the specimens that are viewed.
- E. Eye-guard** - The soft-touch eye-guard provides comfort and prevents stray light.
- F. Petri Dish** - Use for growing and observing samples like molds and holding larger samples.
- G. Tweezers** - Ideal for handling samples and adding cover slips during slide preparation.
- H. Pipette** - Squeeze the pipette, dip into liquid, and transfer drops onto slide for examination.
- I. Collecting Vials** - Use to transport samples from collection site to the microscope setup.
- J. Prepared Slides** - Explore the prepared plant, flowers, and textile slides.
- K. Hidden Objects Slide** - Find hidden objects in each illustration using the pocket microscope.
- L. Blank Slides** - Create your own wet mount and dry mount slides.
- M. Slide Covers** - Clear, thin, plastic circles used to cover small samples when creating slides.
- N. Slide Labels** - Small, paper, adhesive squares used to label slides and record information.

MICROSCOPE DIAGRAM

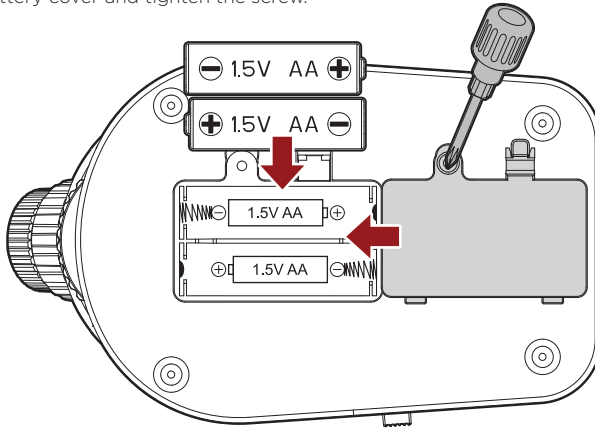


1. **Eyepiece (10x, 20x)** - A small magnifying lens where you look into the microscope to see the image projected by the objective lenses. Includes a rotating 10x-20x eyepiece to make an image look 10-20 times larger.
2. **360° Horizontal Rotating Eyepiece** - Provides a more comprehensive view and enables sharing.
3. **Eyepiece Barrel** - Allows light from the sample to travel up, enabling you to see it clearly.
4. **Arm** - This curved piece is the “backbone” of the microscope connecting the barrel and base.
5. **Nosepiece** - The nosepiece holds 3 objective lenses. Rotate to click each lens into place.
6. **Top Light Source** - Used for the dissecting microscope, the top LED shines onto the surface of your sample.
7. **Objectives (10x, 30x, 60x)** - These are the lenses closest to the objects you are examining. Your microscope has 3 objective lenses, each with a different magnifying power. The objective lenses work with the eyepiece to give your microscope a range of magnifications as shown in the magnification guide.
8. **Focus Knob** - Turn the knob slowly to focus the image and see it clearly.
9. **Stage Clips** - The two clips hold your slide in place while you look at it.
10. **Stage** - The stage is where your slide or specimen is placed for studying.
11. **Filter Wheel** - Holds filters which can be used to change the color or quality of light.
12. **Bottom Light Source** - Used for the light microscope, use a thin, see-through sample so the light shines through.
13. **Base** - The base has foam feet to prevent the microscope from slipping on smooth surfaces.

MAGNIFICATION GUIDE		
Objective	Eyepiece	Power
10x	10x	100x
10x	20x	200x
30x	10x	300x
30x	20x	600x
60x	10x	600x
60x	20x	1200x

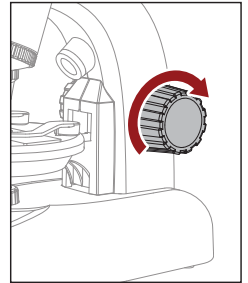
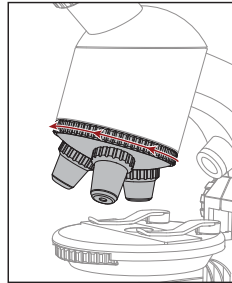
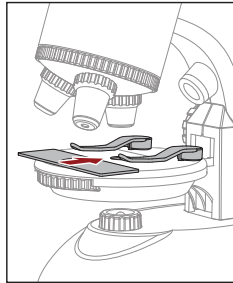
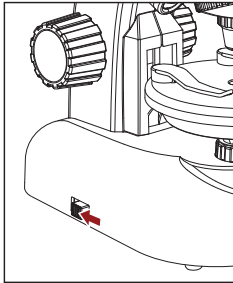
MICROSCOPE BATTERY INSTALLTION

- Use a phillips screwdriver to remove the battery compartment cover.
- Insert **2 AA batteries**. Make sure the batteries are inserted with the correct polarity.
- Replace the battery cover and tighten the screw.



MICROSCOPE INSTRUCTIONS

1. Place the microscope on a flat surface and turn on the bottom light source switch located at the base.
2. Place a prepared slide on the stage underneath the clips with the sample directly over the illumination.
3. Rotate the objective nosepiece to select the required magnification. (10x/30x/60x) It's best to start with the lowest magnification first and then work your way upwards.
4. Look through the eyepiece and carefully turn the focus knob until the image appears clear and sharp. Attach the eye-guard to the eyepiece for added comfort and to prevent stray light.
5. To view textured items, use the dissecting microscope by turning on the top light source.



MICROSCOPE CARE

- Always use two hands to handle the microscope: one around the arm and the other around the base.
- Use a soft cloth to gently clean the lens (objective and eyepiece). Be careful to avoid scratching.
- Keep the microscope and accessories safe from dust and dirt by storing in the carrying case.
- If unused for a long period of time, remove the batteries.
- Avoid exposure to direct sunlight and excessive heat.
- Do not immerse product in water.

MICROSCOPE TROUBLESHOOTING

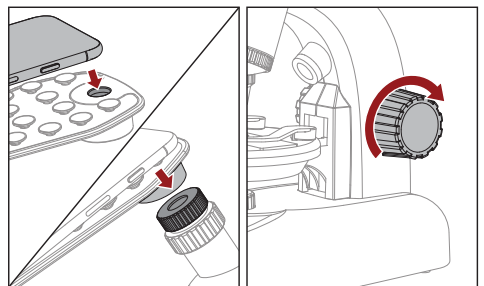
PROBLEM	SOLUTION
Light Does Not Work	Replace batteries
	Check switch ON/OFF position
Image Not Visible	Center the object on the slide
	Start with the lowest objective (10x) and eyepiece (10x)
Image Not Recognizable	Turn on the light
	Readjust the focus
	Start with the lowest objective (10x) and eyepiece (10x)

PREPARE YOUR OWN SLIDES

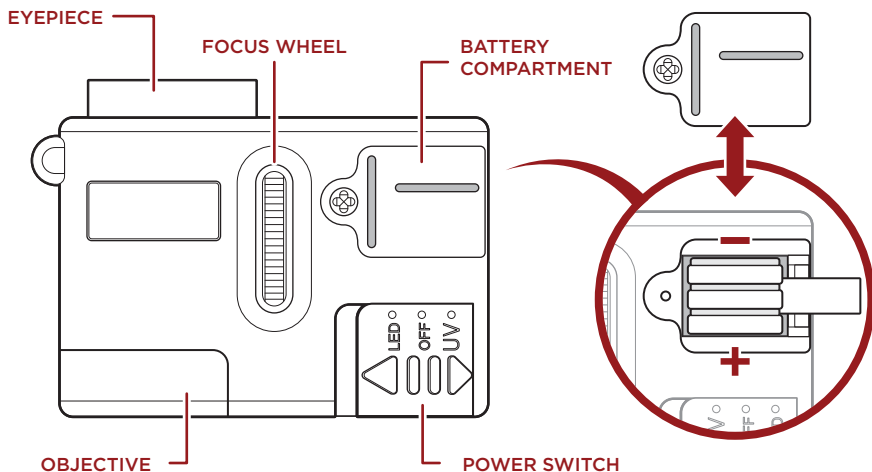
1. Choose the type of slide you would like to create based on the specimen that you would like view:
 - Dry mount slides are best for viewing samples such as printed material, cloth, hair, or feathers.
 - Wet mount slides are best for viewing samples such as plant materials, mold spores, or fibers.
2. Place a clean microscope slide on a flat surface.
3. For a wet mount slide, use the pipette to pick up a small drop of water and add to the middle of the slide.
4. Pick up a tiny piece of your specimen using tweezers and place it gently in the water droplet on the slide.
5. Carefully take a slide cover and hold it at an angle. Touch one edge of the slide cover to the water droplet on the slide, and then slowly lower it down so it covers the specimen. This helps to avoid air bubbles.
6. Place the slide under the microscope's lens and adjust the focus knob until you see the specimen clearly.
7. Add a slide label to record the specimen's name, date, and any other important details.

SMARTPHONE ADAPTOR

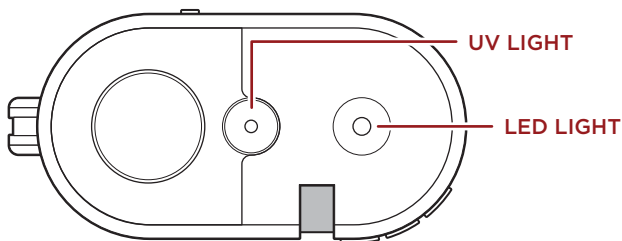
1. Attach your smartphone to the suction cups on the surface of the smartphone adaptor.
2. Make sure the smartphone's primary camera lens is aligned with the hole in the adaptor base plate.
3. Attach the smartphone adaptor to the microscope eyepiece.
4. Turn on the camera function on your smartphone.
5. Turn the focus knob until the image looks clear and sharp.
6. Save or share photos and videos of the specimens that are viewed.



POCKET MICROSCOPE



BOTTOM VIEW



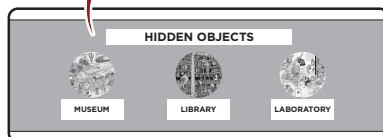
Use the provided LR1130 batteries. Replace batteries as needed.

1. Pull insulation stripe from battery compartment before use.
2. To replace batteries, use a phillips screwdriver to remove the battery compartment cover.
3. Insert **3 LR1130 batteries**. Make sure the batteries are inserted with the correct polarity.
4. Replace the battery cover and tighten the screw.
5. Choose a sample that works best with the lower 60x magnification power of the pocket microscope. Some examples include currency, printed materials, plants, or hair.
6. Place the pocket microscope directly on the sample and turn the focus wheel until image is clear.
7. Slide the switch left to activate the LED light, right to use the UV light, and return to center to turn off.



HIDDEN OBJECTS SLIDE

- Locate the Hidden Objects slide to be used with the pocket microscope.
- Hidden objects and details not visible to the human eye can be discovered with the 60x magnification power of the pocket microscope.
- The slide includes 3 different illustrations of a museum, library, and laboratory.





HELP CENTER



Question about your product? We're here to help. Visit us at:

help.bestchoiceproducts.com



Chat Support



Product Inquiry



Orders FAQ



Product Assembly



Returns & Refunds

PRODUCT WARRANTY INFORMATION

All items can be returned for any reason within 60 days of the receipt and will receive a full refund as long as the item is returned in its original product packaging and all accessories from its original shipment are included. All returned items will receive a full refund back to the original payment method. All returned items will not be charged a re-stocking fee.

All returned items require an RA (Return Authorization) number, which can only be provided by a Best Choice Products Customer Service Representative when the return request is submitted. Items received without an RA may not be accepted or may increase your return processing time. Once an item has been received by Best Choice Products, refunds or replacements will be processed within 5 business days.

All returns must be shipped back to the Best Choice Products Return Center at the customer's expense. If the reason for return is a result of an error by Best Choice Products then Best Choice Products will provide a pre-paid shipping label via email. Boxes for return shipping will not be provided by Best Choice Products, and is the customer's responsibility to either use the original shipping boxes or purchase new boxes.

Pictures may be required for some returns to ensure an item is not damaged prior to its return. Items returned are not considered undamaged until they are received by Best Choice Products and verified as such. All damages to items are the customer's responsibility until the item has been received by and acknowledged by Best Choice Products as undamaged.

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WARNING

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