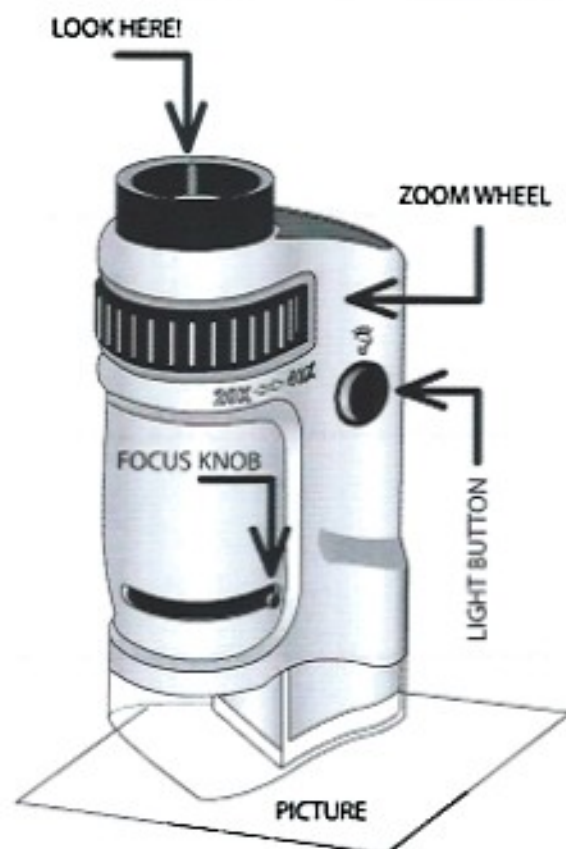


SURPRISES IN YOUR MICROSCOPE

Today you'll learn a little about how to use your microscope, and then we'll have some fun with it.

WHAT YOU NEED: The pocket microscope, and a colored picture from a magazine, comic book, or advertisement flyer.



- 1 Set the microscope directly on the picture and look through the eyepiece.
- 2 Press the light button. (It will turn off when you stop pressing.)
- 3 Move the focus knob back and forth until the image becomes very crisp and clear. This is called "focusing your microscope".
- 4 You can change magnification by rotating the ZOOM WHEEL. After changing the zoom, you will need to refocus the microscope.

Could you see the dots that make up the picture? Very good!
You are now ready to begin your microscopic explorations!

LET'S EXPLORE!

Look at things under your microscope. Start off with something flat like cloth or a picture from a magazine. Then try something more challenging. This kit includes a starfish endoskeleton and some "mystery grains" in a little black container. Better yet, find your own interesting things to look at. As you explore, fill in the chart on the other side of this sheet.

WHAT I
LOOKED AT:

THE MOST SURPRISING THING ABOUT IT WHEN
VIEWED THROUGH THE MICROSCOPE WAS:

THE LEGEND OF THE HIDDEN STATES

There is a rumor that the names of many of the states are hidden in the picture of the Lincoln Memorial on the back of a \$5 bill. If you have a fairly new five dollar bill, turn it so the picture of the Lincoln Memorial is upside down, and check along the roof lines with your microscope. Can you find any of the states' names?

States Discovered: _____
