

Fun with Foldsopes

Microscopes are important tools for studying the world because they make little things look bigger. Using a microscope lets you see tiny details you could never see using just your eyes.

But microscopes are big, heavy and expensive. A Foldscope does what a microscope does, but you can put it in your pocket and carry it wherever you go.

If you have trouble with your Foldscope, remember to do the following:

- get the object you're looking at in the middle of the Foldscope (remember that incoming light makes a bright area where the object should be)
- move the lens back and forth over the object by moving your thumbs back and forth
- focus by pushing your thumbs together or moving them apart

If someone is helping you with this activity, they may want to check out the following website for help with locating objects, focusing, and capturing images:

https://microcosmos.foldscope.com/?page_id=243

You can see pictures taken by other students and scientists at this website:

<https://microcosmos.foldscope.com/>

In this activity, you will look at 3-5 things using your Foldscope and then make drawings and describe something that you saw that was particularly interesting to you. This is what scientists do when they study something new. Your pictures and descriptions are data that you can share with other people.

6)

fish



If we could that
after 2 left it was
here do it into
spot of crystallized salt

Data Entry 1

What did you look at? a wild flower

Picture 1



Describe what was interesting or unexpected about object 1.

It was interesting that without the
microscope, I couldn't see the holes in the
petals, but with it I could.

Data Entry 2

What did you look at? dandelion seed

Picture 2



Describe what was interesting or unexpected about object 2.

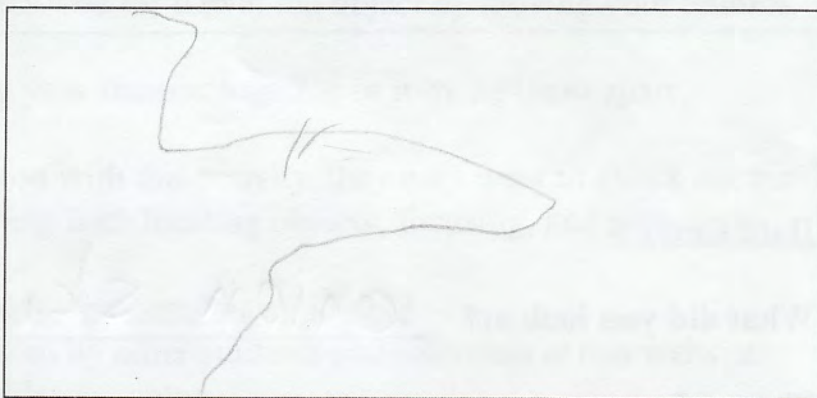
It was interesting that light
was seeping around the object.

Data Entry 3

What did you look at?

fern leaf

Picture 3



Describe what was interesting or unexpected about object 3.

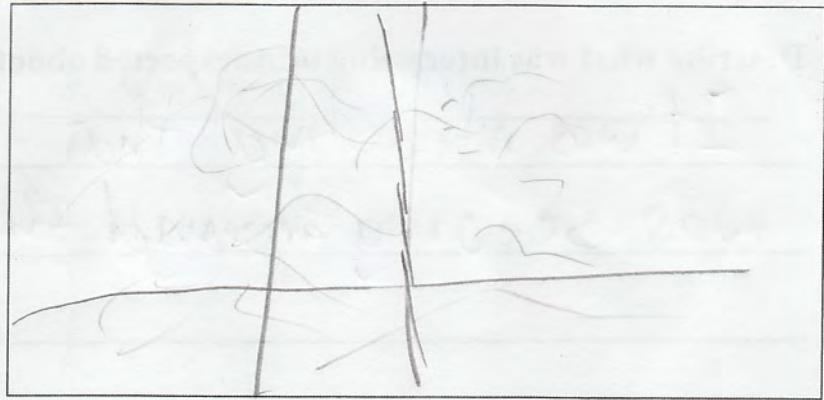
It was cool that the light made
the leaf look like it was glowing.

Data Entry 4

What did you look at?

Cat hair

Picture 4



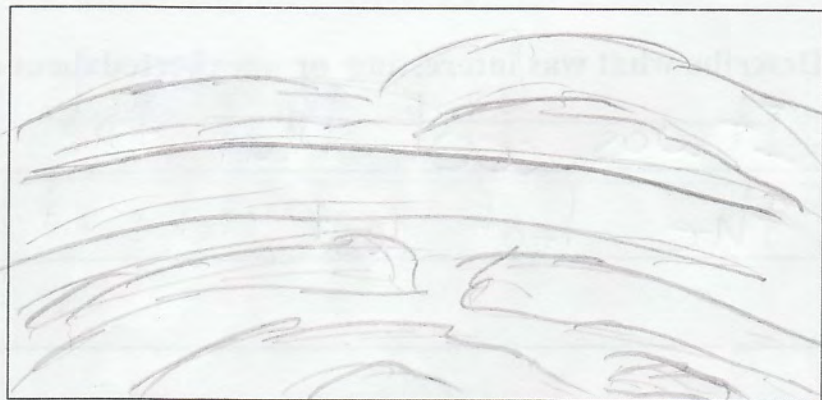
Describe what was interesting or unexpected about object 4.

I thought it was interesting that
there was stuff behind it.

Data Entry 5

What did you look at? onion skin

Picture 5



Describe what was interesting or unexpected about object 5.

It was interesting that there
were stripes that I couldn't see with
my eyes.