

## **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](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.**

Data Entry 1

What did you look at?

grass

Picture 1



Describe what was interesting or unexpected about object 1.

I looks like a big wood (except that grassy was green.

Data Entry 2

What did you look at?

Pletraels

Picture 2



**Describe what was interesting or unexpected about object 2.**

I saw the fur of petal.

I also saw the tiny holes.

**Data Entry 3**

**What did you look at?**

Dandelion seeds

**Picture 3**



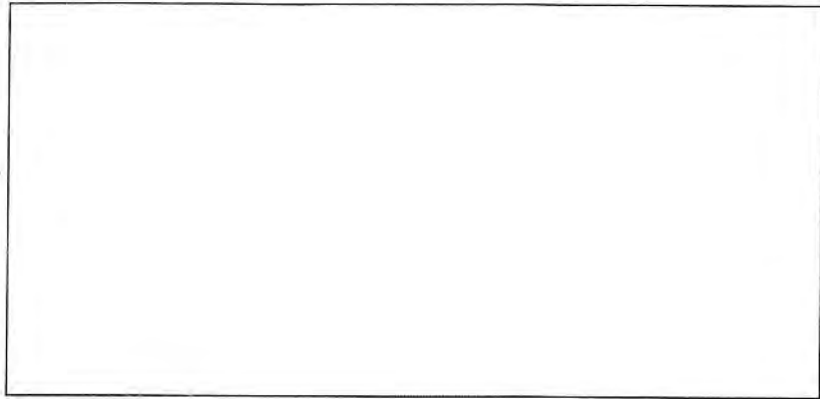
**Describe what was interesting or unexpected about object 3.**

I saw the furs of seeds.

**Data Entry 4**

**What did you look at?**

**Picture 4**



**Describe what was interesting or unexpected about object 4.**

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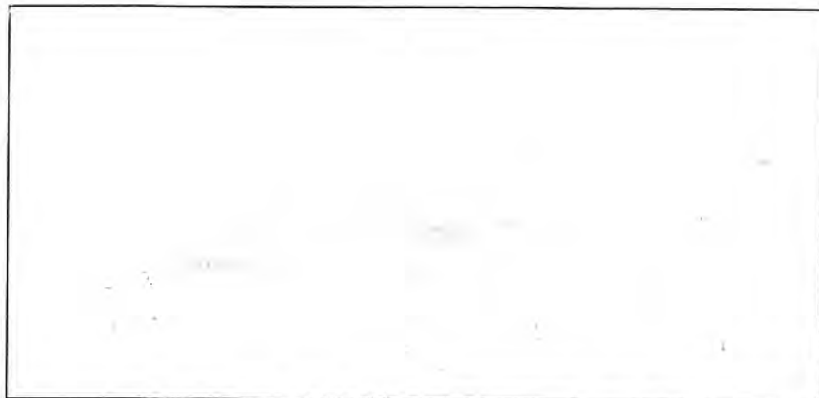
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**Data Entry 5**

**What did you look at?** \_\_\_\_\_

**Picture 5**



**Describe what was interesting or unexpected about object 5.**

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