

**Introduction:** You may know that cells are the smaller parts of all living things. In this activity you will collect samples of substances and view them under the microscope to determine if they have cells and are alive or recently alive. You will keep a journal and make a summary of your findings.

**Procedures:**

1. Collect a sample of a substance or thing or organism in your environment. It should be a very small sample because you will be making a slide using a thin preparation of the item.
2. Bring the sample to school and use the time allowed to make a slide, stain it if you think that will help and view it under the microscope.
3. Complete a journal entry for each sample. The entry should contain:

- A drawing of a cell or two, if they exist
- A written description of what you saw and whether or not you think cells are present.
- Be sure to identify the source of the substance.

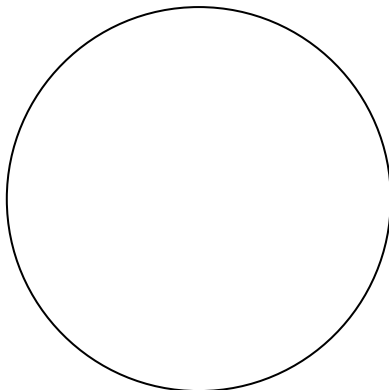
4. This activity will continue until: \_\_\_\_\_ I need to bring in \_\_\_\_ samples each time.

**Data:**

Date: \_\_\_\_\_ Sample source: \_\_\_\_\_

Description:

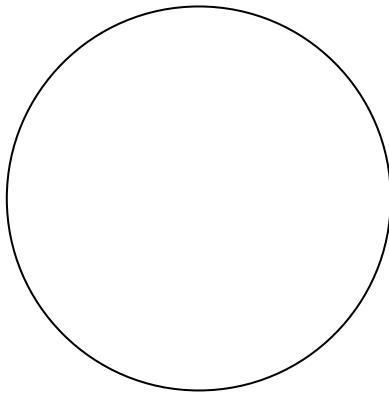
Drawing:



Date: \_\_\_\_\_ Sample source: \_\_\_\_\_

Description:

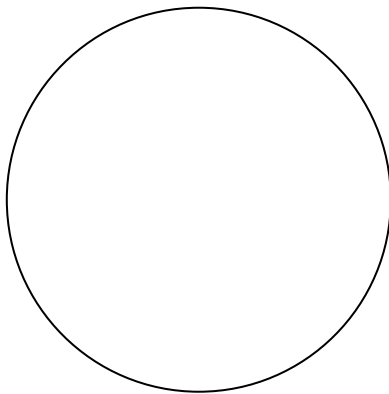
Drawing:



Date: \_\_\_\_\_ Sample source: \_\_\_\_\_

Description:

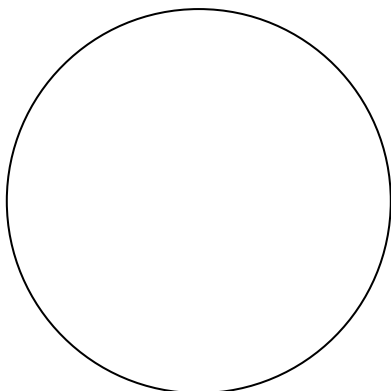
Drawing:



Date: \_\_\_\_\_ Sample source: \_\_\_\_\_

Description:

Drawing:



Date: \_\_\_\_\_ Sample source: \_\_\_\_\_

Description:

Drawing:

