**Name Number\_\_\_\_\_\_**

## Observing the Characteristics of Life

In this activity, you’ll identify characteristics of life in videos of various organisms and describe those characteristics.

Review- Please review pages 36 to 39 in your book to list the characterstics of life. They will have a number next to them.

What are six characteristics of living things?



Please note- The characteristic of “living things use energy”can be observed in the movement of living organisms.

Directions

1. Go to my website and scroll down to the useful links. The videos for each section of the data table are on the useful links on my website.
2. **Read** the introduction, then play the video.
3. **Record one or more of the characteristics** that you observe for each category and **describe** it on your data table. Remember to add science details!

\*Modified from Exploratorium Name Date

**Characteristics of Life Data Table**

|  |  |  |
| --- | --- | --- |
| Category | **Characteristics of Life** | **Description of Observed Characteristics** |
| [C. elegans](http://www.exploratorium.edu/imaging_station/students/c_elegans.html)(Caenorhabditis elegans) Video: Moving *C. elegans*  Link 97 |  |  |
| [Sea Urchins](http://www.exploratorium.edu/imaging_station/students/sea_urchins_div.html)  (Lytechinus pictus)  Video: Sea urchin cell division  Link 98 |  |  |
| [Sea Urchins](http://www.exploratorium.edu/imaging_station/students/sea_urchins_fert.html)  (Lytechinus pictus)  Video: Sea urchin fertilization  Link 99 |  |  |
| [Blood Cells](http://www.exploratorium.edu/imaging_station/students/blood_cells.html)  Video: Human white blood cells  Link 100 |  |  |
| [Cellular Structure and Function](http://www.exploratorium.edu/imaging_station/students/cell_struct_funct.html)  Video: *Elodea* leaf cells  Link 101 |  |  |
| [Stem Cells](http://www.exploratorium.edu/imaging_station/students/stem_cells.html)  Videos: Compare Mouse embryonic stem cells—movie 1 with Heart cells grown from mouse embryonic stem cells—movie 1  Link 102 |  |  |
| [Cell Motility](http://www.exploratorium.edu/imaging_station/students/cell_motility.html)  Video: Crawling *Amoeba*  Link 103 |  |  |
| [Zebrafish](http://www.exploratorium.edu/imaging_station/students/zebrafish.html)  *(Danio rerio)*  Video: Zebrafish development  Link 104 |  |  |