**Virtual Pond Water Lab Activity**

**Directions:**

1. Go to the following Web site: [www.microscopy-uk.org.uk](http://www.microscopy-uk.org.uk). Scroll to the bottom right and click on “Virtual pond dip,” which leads to <http://www.microscopy-uk.org.uk/index.html?http://www.microscopy-uk.org.uk/ponddip/index.html>

2. Click on any of the organisms in the jar of pond water to find out more information. Include five different organisms in your virtual jar of pond water.

3. For each of the five organisms:

* draw it,
* label it with its name,
* label it as unicellular or multicellular, and
* write how you think it gets food and how it moves.

4. Use the space below and the back of this handout to record your drawings and observations.

**Answer KEY**

**Virtual Pond Water Lab Activity**

**Directions:**

1. Before they begin, direct students to read through the lab worksheet. Answer any questions students may have.

2. Assist students by answering questions as they conduct the virtual activity.

*Answers will vary, depending on which organisms that students select from the jar. Some of the organisms students might choose are described below.*

**Guide to Pond Water Organisms**

|  |  |
| --- | --- |
| **Unicellular Organisms** | **Multicellular Organisms** |
| **Actinosphaerium**  heliozoa.gif (2494 bytes) | **Daphnia (“water flea”)**  daphnia.gif (4002 bytes) |
| Spirogyra  spirogyra.gif (1844 bytes) | **Hydra**  hydra.gif (3884 bytes) |
| **Euglena**  euglena.gif (624 bytes) | **Vorticella**  vorticella.gif (1328 bytes) |
| **Stentor**  stentor.gif (3471 bytes) | **Rotifers**  rotifers.gif (4477 bytes) |
| Paramecium  paramecium.gif (1621 bytes) | **Cyclops**  cyclops.gif (3380 bytes) |
| **Amoeba**  **amoeba.gif (3046 bytes)** | **Cypris**  ostra.gif (504 bytes) |

Source of all images: [www.microscopy-uk.org.uk/index.html?http://www.microscopy-uk.org.uk/ponddip/index.html](http://www.microscopy-uk.org.uk/index.html?http://www.microscopy-uk.org.uk/ponddip/index.html)