

Title: Virtual Pond Dip

Purpose: to observe the biodiversity in a pond

Materials: Virtual Pond website

Procedure:

1. Go to the Virtual Pond Dip website  
<http://www.microscopy-uk.org.uk/ponddip>
2. Read the instructions on how to use the website.
3. Roll the mouse over each organism to display its name
4. Click the mouse over each organism to display its fact file.
5. Record the following information in the data chart:
  - a. Common name
  - b. Scientific name (Sometimes they are the same. Note, only genus names are given)
  - c. Classification
  - d. Description
  - e. Size
  - f. Habitat (where to find them)
  - g. Special characteristics
6. You may click the link on the fact file to get more information on each organism. (I recommend this particularly for the diatoms and the rotifers!)

*Not all the pond organisms are included in the data chart, since they are not members of the Kingdom Protista!*

*(The Pond Dip site uses the name Protoctista instead of Protista, but it means the same!)*

Organism (Scientific name)	Classification	Description	Size	Habitat	Special Characteristics
<i>Volvox</i> ( <i>Volvox</i> )	Kingdom: Phylum: Class:				
<i>Heliozoa</i> ( <i>Actinosphaerium</i> )	Kingdom: Phylum: Class:				
Filamentous algae ( <i>Spirogyra</i> )	Kingdom: Phylum: Class:				
<i>Euglena</i> ( <i>Euglena</i> )	Kingdom: Phylum: Class:				



<i>Stentor</i> ( <i>Stentor</i> )	Kingdom: Phylum: Class:				
Diatoms (no scientific name given)	Kingdom: Phylum: Class:				
<i>Amoeba</i> ( <i>Amoeba</i> )					
Rotifers (Philodina, Collotheca, Brachionus)					
<i>Vorticella</i> ( <i>Vorticella</i> )					
<i>Paramecium</i> ( <i>Paramecium</i> )					

**Discussion** Write a commentary on the similarities and differences among the pond dwellers

**Conclusion:** Not required

**Reflection:** personal statement

