

Chemicals in Water – Effect on Protozoa

Topic or Concept

The population of protozoa is, in part, controlled by the presence of chemicals in the water.

Objective

Student will be able to devise an experiment to record the effect of chemicals in water on the growth of protozoa.

Materials Available at Region 20 Living Science Materials Center	Enrichment Activity
LM-67 Distilled Water LM-9 Mixed Protozoa LM-3 Paramecium caudatum LM-2 Paramecium multimicronucleatum	<p>Problem How does the presence of small amounts of sodium nitrate effect the growth of protozoa in grass water?</p> <p>Project</p> <ol style="list-style-type: none"> 1. Set up an experiment to observe what happens to microscopic life when various chemicals are added to the water. 2. Make sure your container is cleaned well with distilled water before starting the “grass water protozoa.” 3. Vary the amounts of sodium nitrate <p>Extension Repeat the experiment with different sources of stagnant water or different chemicals</p>
Not Available from Region 20 Living Science Materials Center	
Hay Infusion (for grass water) Sodium nitrate	