

Temperature and Growth of Bacteria

Topic or Concept

There are certain temperatures at which various bacteria grow best.

Objective

Determine the optimum temperature for selected species of bacteria.

| Materials | Enrichment Activity |
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| Available at Region 20 Living Science Materials Center | |
| LM-43 E. Coli LM-40 Bacillus Subtilis LM-42 Sarcina lutea LM-104 Prepared slants (12) | <p>Problem What are optimum temperatures for selected common bacteria?</p> <p>Project</p> <ol style="list-style-type: none"> Determine by setting up your own experiments which temperatures (50°, 70°, 98.6° F.) provide the best growth conditions for the bacteria listed in materials section Graph growth rates: x-axis----temperature y-axis----growth <p>Extension</p> <ol style="list-style-type: none"> Determine which bacteria live in water fountains. Determine which bacteria live on desks. Determine which bacteria live on other surfaces of your choice. |
| Not available from Region 20 Living Science Materials Center | |
| Marking pencils Lamp centrifuge | |