

Amoebas & Temperature *Teacher's Guide*

Students read selections and use the Graphing Tool to understand an amoeba dangerous to swimmers.

GRADE LEVEL: 7th – 12th

SUBJECT AREA/COURSE: Chemistry, Biology, Environmental Science

SUNSHINE STATE STANDARDS:

- The student uses the scientific processes and habits of mind to solve problems. (SC.H.1.4)
- The student understands that most natural events occur in comprehensible, consistent patterns. (SC.H.2.4)
- The student understands that science, technology, and society are interwoven and interdependent. (SC.H.3.4)
- The student describes patterns of structure and function in living things. (SC.F.1.4)

ACADEMIC OUTCOMES/LESSON OBJECTIVES:

- Students will create a time-temperature graph using the Seminole WaterAtlas and the advanced graphing tool.
- Students will read two selection and correlate information from the graph and the reading.

MATERIALS NEEDED: Internet access with www.Seminole.WaterAtlas.org bookmarked, Student Handouts

SAFETY: N/A

VOCABULARY: amoeba

KEY:

Questions:

1. Citizens want warnings on lakes when dangerous conditions for infection by amoeba are present.
2. Temperature of lake water

Procedure and Questions:

4. the summer months
5. water temperatures may be above 80 degrees F
6. Answers will vary, but should have details about water temperature and avoiding diving into warm lake water.

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