

Painted Turtle Incubation Temperatures Inquiry Sheet

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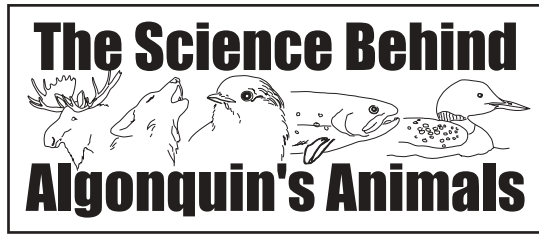
1. Graph and examine the results from the laboratory data.
2. Mean natural nest temperatures range from 19°C to 25°C at 1° intervals. Based on laboratory results, estimate which sex will be produced at each temperature.
3. Graph and examine the results from the laboratory data.
4. Theorize why laboratory results and natural results varied greatly between one another.
5. Can mean nest temperatures be used to determine sex ratios in Painted Turtles? Why or why not?



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6. Use the internet or library to define 'threshold temperature' for turtles.

7. What is the threshold temperature for Painted Turtles in laboratory conditions?

8. How could global warming have an effect on sex ratios in a Painted Turtle population?



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