

Na, K?

Keeping Fair Animals in Balance



QUEST 11 CHEMISTRY

STATE FAIR OF TEXAS CURRICULUM

STUDENT EDITION

Recap

You will be going to the State Fair of Texas to observe how the show animals handle living in an environment far different from their usual habitat.

STATE FAIR MAP



Recall from your discussions in class:

- ★ How does energy travel through objects and the human body?
- ★ Review the Intro to Electrolytes video: <https://www.youtube.com/watch?v=u6njrOnZcCU>
- ★ How important is water in the human body?
- ★ How do electrolyte drinks affect the body vs. water?



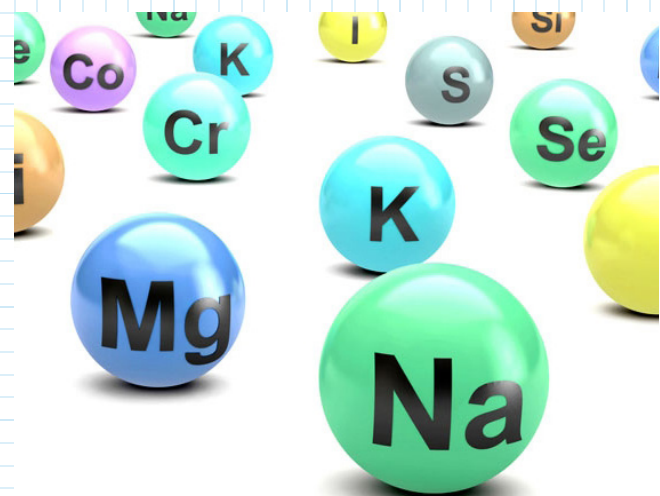
Plan Your Route

- ★ Google the Woofus at the State Fair of Texas.
- ★ Go find him, and wave. Observe that the Woofus is a statue, and also a fountain.
- ★ Now you're by the Livestock Barns! Go in and observe.



Optional Materials to Bring

- ★ Writing utensil and something to write on
- OR
- ★ A way to digitally take notes



While You're There

You will use information you gather at the State Fair to help you with THREE project goals:

1. Analyze the conductivity of various solutions, including human and animal hydration liquids, and deduce which solution you would use if you were showing an animal at the Fair based on your observations today and at school.
2. Design a label for an energy drink that will appeal to State Fair officials.
3. Compose a short story from the perspective of one of the animals you observe today.

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LIVE @ THE FAIR

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The objective of TODAY'S visit is to observe the unique conditions and care of show animals at the Fair.

- ★**WHAT'S IN THE WATER?:** Make your way to the Livestock Barns and observe the animals.
 - Make a note of how their current environment is different from a typical habitat for that animal.
 - You may need to use a device to research their typical environment.
 - Find someone to briefly interview:
 - What special care do the animals need while at the Fair?
 - Observe how your own body feels after walking around at the Fair and going on Quests.

- ★**YOU'RE BEING WATCHED:** For your English project, you'll be writing a short story from the animal's perspective:
 - Take a few minutes to observe some of the animals
 - What are people watching them do? Are they eating? Are they sleeping? Are they pooping? Are they pacing back and forth?
 - How do you think the animals feel in their pens? How do you think they feel about being watched as they eat and do their other activities?
 - Make some notes about these things for your English project.



Back at School

When you return to class following your State Fair visit, you will work on your three projects. See your teachers for more information.