



## Wow, Cows!

### Video #319

#### Developed for Grades: K - 1st

The WOW videos have been developed to inspire students to learn more about **NGSS Life Science and/or Earth Science Disciplinary Core Ideas**. These could include:

- Plants and animals (including humans) can change their environment.
- Living things need water, air, and resources from the land.
- Humans use natural resources for everything they do.
- All organisms have internal and external structures that serve various functions in growth, survival, behavior and reproduction.
- Importance of ecosystems and habitats
- Cross cutting concepts like patterns, cause and effect, etc.

The WOW videos and their support documents can also be used with **English Language Arts**. Here are some ideas:

1. Select a few questions from the Know-It-All section and have students write their answers.
2. Have students write a story related to the topic. They could even add illustrations. For some grades students could read their stories and/or video tape their readings to share.
3. Students could write a poem, a play, or a song based on something in the video that created an emotional response for them.
4. Key words in the video can be used in creative writing assignments.
5. Older students could explore the difference in learning from video as opposed to a book. What are the advantages and disadvantages?

## Answer Key for Know-It-All

1. **What do we call the dried-up grass that Emelie eats? What else do cows eat?**
  - Alfalfa. Cows also eat oats, grass and other fresh plants and leaves, but never, ever do they eat meat. That's what makes her an herbivore!
2. **What does Emelie's barn protect her from at night? What do you think a predator is?**
  - Predators and bad weather. Predators are animals that hunt other animals. To a predator, Emelie looks like dinner. That means that Emelie is considered a prey animal.
3. **Emelie is a dairy cow. If you could have your own cow, would you want a dairy cow or a meat cow? Why?**
  - This is up to you. If you want a dairy cow, you may look forward to milk, ice cream, cheese or other dairy products! If you want a beef cow, you may look forward to hamburgers, steak, ribs or other types of meat, but you might need to wait a long time until your beef cow grows up first.
4. **Can you think of some food items or sweet treats that can be made from cows' milk?**
  - Yogurt, butter, whipped cream, cheese, cream cheese, ice cream, sour cream, milkshakes...and more!
5. **Can you think of some kinds of meat that come from a cow?**
  - Steak, hot dogs, ribs, hamburgers, carne asada, rib eye, meatballs...and so on.

