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# Fistulated Cow Booth 2020

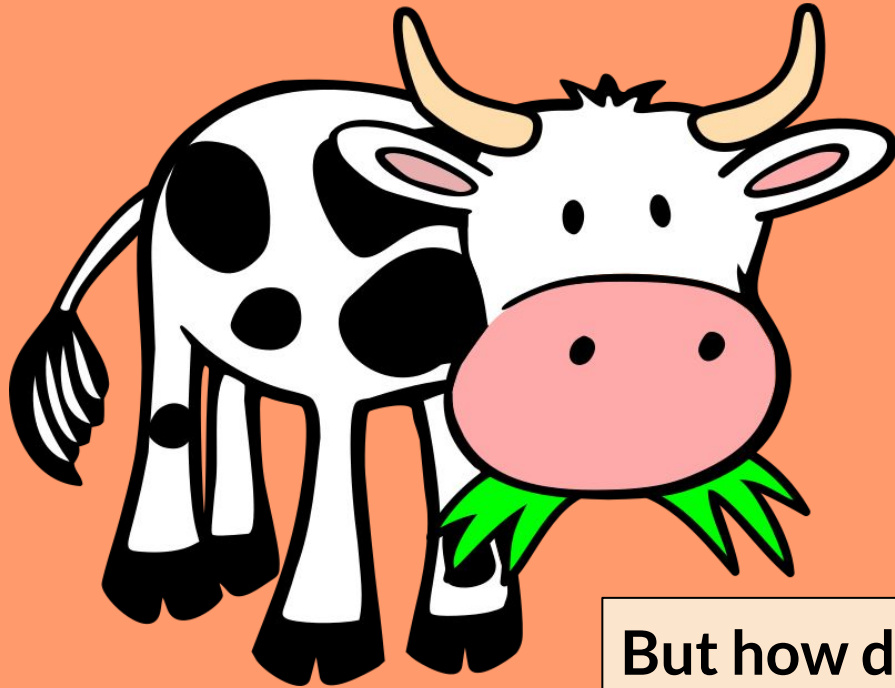
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# Cows!

Nature's recyclers!

They use land that we can't and turn grass and feed into resources we can use.



But how do they do this?!

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# The Key...



Cattle are a type of animal called *ruminants*. This means they are different from us humans in how they digest their food.

Cattle ferment their food before they digest it like us.

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**So let's play a quick game...**

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**True or False: Cows have  
four stomachs.**

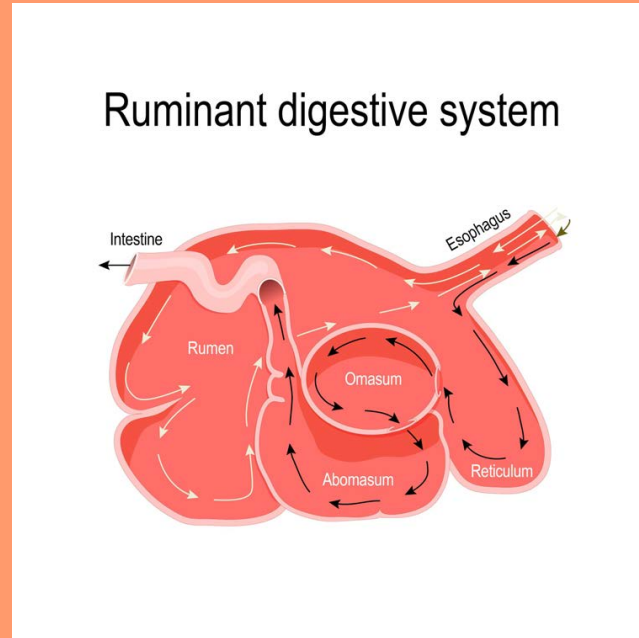


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**It's actually false!**

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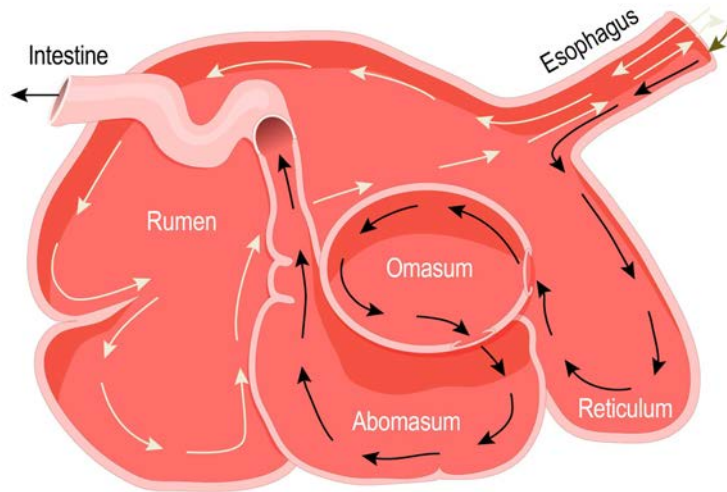
# Cattle actually have one stomach and four compartments!





# How food moves through the cow...

## Ruminant digestive system



1. Mouth
2. Esophagus
3. Rumen
4. Reticulum
5. Omasum
6. Abomasum
7. Intestines

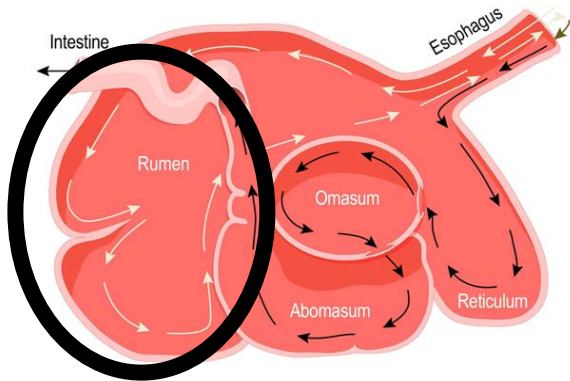
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**Where does the cow  
ferment its food?**

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# The Rumen!

## Ruminant digestive system



Now that we know what the rumen does... what is actually the material IN it?

**True or False - Cattle can only eat grass...**



**FALSE!**

# Cattle can eat **MANY** different things in their diet to help them grow!



**HAY**



**SILAGE**



**GRAIN**

**How can we see  
what's in a cow's  
rumen?**



# A Rumen Fistula!





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**Wait, what's a rumen fistula?**

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# Good Question!

A rumen fistula is a rubber cylinder that we place in the cows side to have a opening between its rumen and the outside world



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# Why do we use rumen fistulas?

- In the hospital to help other sick cows!
  - We can take the contents of a healthy cow's rumen and put it in a sick cow's rumen to make them better!
- Research
- Teaching opportunities
  - Vet students can learn about rumen health by studying a live animal!



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# We hope

that you're able to join us next year in person to  
see our live cows!

Stay safe

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