

### Ruminant Educational Video Background Information

Sanctuary One educational videos were created to help guide classroom discussion about scientific topics. The Ruminant educational video takes a closer look at the animals at Sanctuary One. In the video, we explore the complex digestive system of ruminant animals. We learn the names of the different parts and what they do. As a group, we think critically about why that is important.

There are points during the video when there will need to be a pause for group discussion. Questions and prompts are answered in the video. Listed here is the prompts in order:

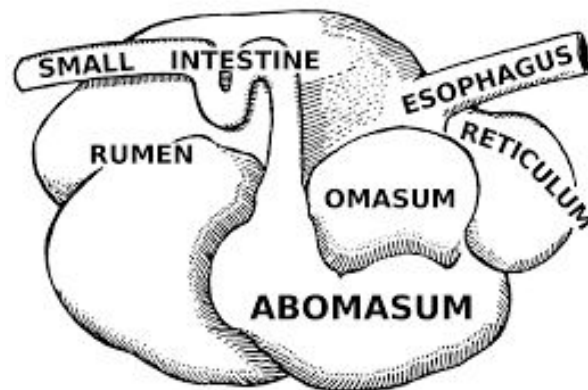
- Discuss with your class which animals are ruminants
- What makes an animal a ruminant?
- What are the benefits of having a ruminant digestive system?

#### **Learning objectives:**

- Students will analyze using the video what animals are ruminants.
- Students will think critically about the benefits of being a ruminant.
- Students will discover what defines a ruminant.

#### **Standards:**

- 4-LS1-1. Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.



# Horses



Fun Fact:

Horse hooves are made from the same protein that comprises human hair and fingernails. Keratin.

# Piggies

Fun Fact:

Pigs are among the smartest of all domesticated animals and are even smarter than dogs.



# Cows

Fun Fact:

Cows have preferred friends in a herd. Research has shown cows are more relaxed around their friends.



# Doggies



Jacque

Fun Fact:

When dogs kick backward after they go to the bathroom it's not to cover it up, but to mark their territory, using the scent glands in their feet.

# Goats



Pav



Django



Three Amigoats

Fun Fact:

Goats are actually very picky eaters. Before eating they use their lips to decide if something is clean and tasty, called mouthing.



# Alpacas



Fun Fact:

Alpacas poop in a communal dung pile away from where they graze. Because of this unique trait people have house trained alpacas.

# Minitare Horse

Fun Fact: can be trained as service animals for the visually impaired.



# Cats



Moo



Ralph

Fun Fact: Cats have an extra organ that allows them to taste scents in the air.

# Sheep



Manny, Moe and Jack

Fun Fact: Unlike wild sheep domesticated sheep do not shed their wool. Their wool will keep growing all over their body and they do not lose it unless it is sheared.

