

WHICH NICHE?

A niche is defined as the food, water, shelter, and space that an organism needs to take up in order to survive. But not all niches work well with one another: sometimes one species' needs are in direct conflict with the needs of another species.

Research the niche needs of four species (mule deer, pronghorn, sage-grouse and burrowing owl). Make sure to use a reputable source: <http://animaldiversity.org/>, a website hosted by the University of Michigan's Museum of Zoology, is an excellent start.

After you have found adequate information pertaining to these animals' food, water, shelter, and space needs, compare them using the Venn diagram provided. What resources do these species have in common? In what ways do they conflict?

THINKING DEEPER: What kind of implications could these differing niches have on rangeland management/policies/research?

Niche

MULE DEER

<i>Food</i>	<i>Shelter</i>
<i>Water</i>	<i>Space</i>

PRONGHORN

<i>Food</i>	<i>Shelter</i>
<i>Water</i>	<i>Space</i>

SAGE-GROUSE

<i>Food</i>	<i>Shelter</i>
<i>Water</i>	<i>Space</i>

BURROWING OWL

<i>Food</i>	<i>Shelter</i>
<i>Water</i>	<i>Space</i>

Venn diagram

