

 **Activity 3.3.1 Animal Needs****Purpose**

Shelters for humans have evolved greatly over time. This process of continuous improvement has provided people advanced protection from the sun, wind, rain, and snow, allowing homes to be built in less than favorable conditions. Just as advancements have been made in human shelters, livestock and poultry shelters have become more sophisticated, providing the ideal growing conditions for animals.

People choose shelter based on lifestyle choices, finances, and location rather than a specific need for space. However, producers house livestock animals in the most space and cost efficient manner. You may have a bedroom, bathroom, kitchen and living room in a house that you share with your family. Could you maintain a satisfactory lifestyle with less? What type of space does an animal need to maintain its lifestyle? What requirements need to be considered when producing an animal?

**Materials****Per student:**

- Computer with Internet access
- Pencil
- *Agriscience Notebook*

**Procedure**

In this activity, you will determine the space needs of the animal for your *Producer's Management Guide*. Before planning facilities for your animal, you need to learn the amount of space your animal requires for various activities.

1. Research and record the basic needs of the animal you plan to raise on *Activity 3.3.1 Student Worksheet*.
2. Investigate the various feeding, watering and manure management system options related to your animal and provide a short comparison of each.
3. Complete all information relevant to the animal in your *Producer's Management Guide*. Use *Activity 3.3.1 Student Worksheet* as a guide for your research. Some given options may not fit for your animal and there may be missing options, change and use columns as needed.

**Conclusion**

1. What role does the stage of production of an animal play in its space requirements?
2. How does the climate in your region influence the type of shelter provided to animals?

Name: \_\_\_\_\_

# Activity 3.3.1 Student Worksheet

Stages of Production	Mature and Producing Animals	Young	Finishing (slaughter animals)	
<b>Housing Type</b>	Space requirement per animal (ft <sup>2</sup> )			
<b>Thermoneutral Zone (°F or °C)</b>				
<b>Water Needs (quantity per day)</b>				
<b>Feeding System</b>	Description of Feeding System			
<b>Watering System</b>	Description of Watering System			
<b>Manure Management</b>	Description of Manure Management System			
<b>Regional Climate Stats</b>	<b>Winter</b>	<b>Spring</b>	<b>Summer</b>	<b>Fall</b>
<b>Average Daily Temp</b>				
<b>Average Humidity</b>				
<b>Wind</b>				