

Senior Market Swine Study Guide

Please reference the Swine Resource Handbook and Fremont County Fair Book

Swine Resource Handbook can be ordered online from this link:

<https://extensionpubs.osu.edu/swine-resource-handbook/> or checked out at the Extension Office

Terms to be defined:

- Sow:
- Gilt:
- Barrow:
- Boar:
- Hurdle:

Know how to calculate average daily gain using the following formula:

$$\text{Average Daily Gain} = \frac{\text{Final Weight} - \text{Initial Weight}}{\text{Days}}$$

Example: If a pig weighed 140lbs. at weigh-in and weighed 280lbs. at fair weigh-in 80 days later, what was its average daily gain?

Know how to calculate pig weight using the following formula:

$$(\text{LBS. per Day} * \text{Days}) + \text{Weigh In Weight} = \text{Weight at Fair}$$

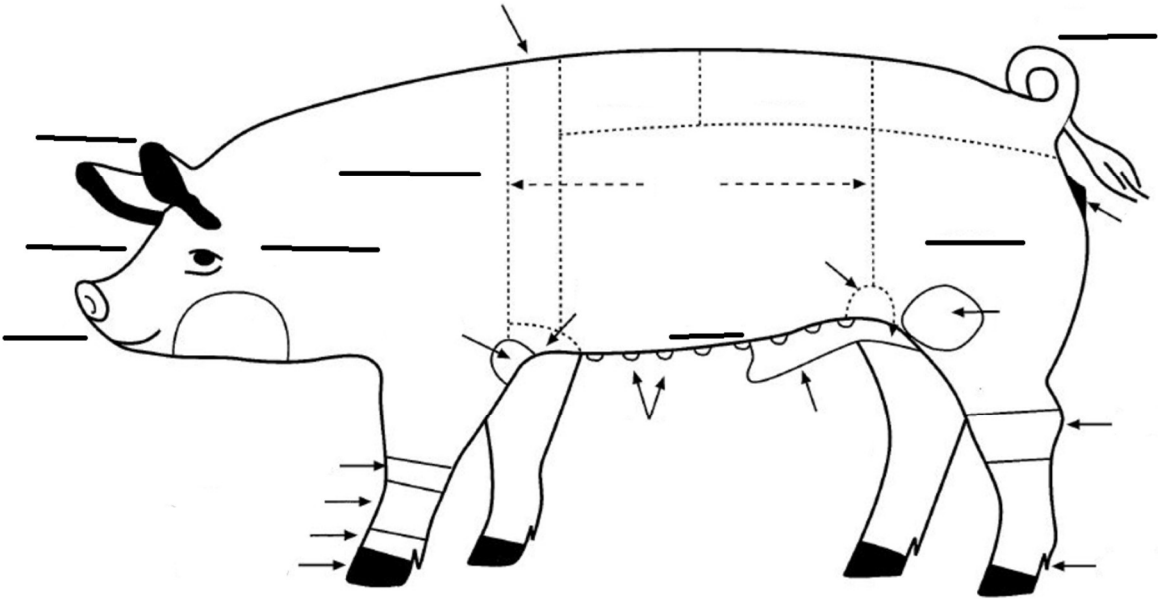
Example: If a pig weighs 130lbs. at weigh-in and gained 1.5lbs. per day, how much did the pig weigh at fair 80 days later?

Know how to calculate dressing percent:

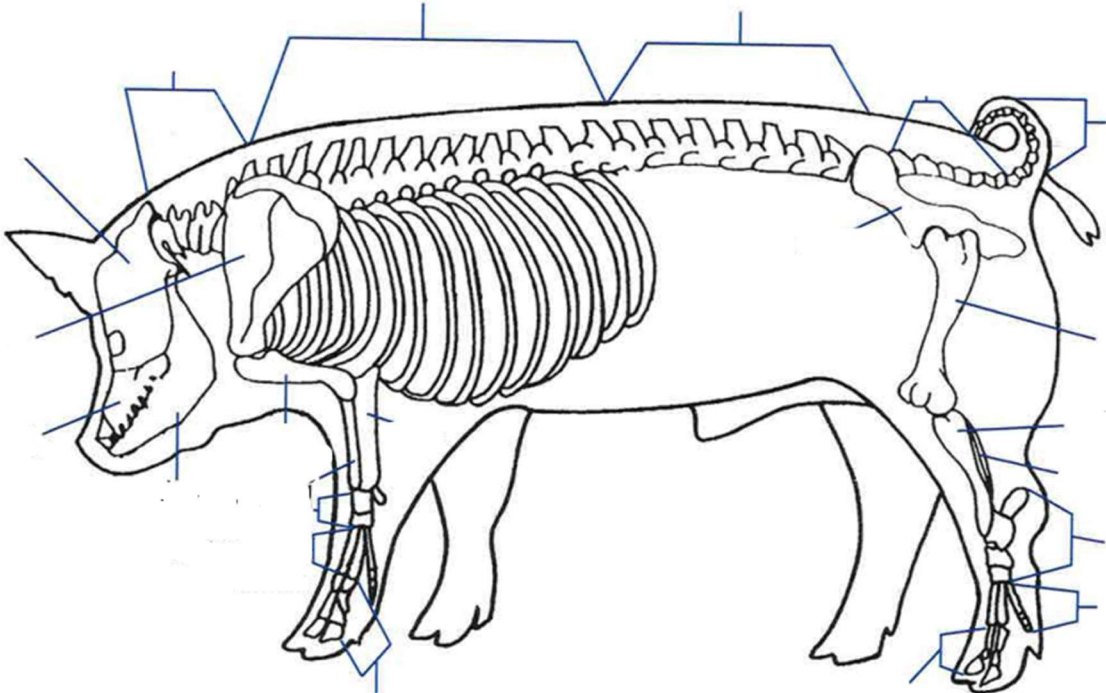
$$\frac{\text{Carcass Weight}}{\text{Live Weight}} * 100 = \text{Dressing Weight}$$

Example: If a pig weighed 250lbs at fair and had a chilled carcass weight of 185lbs, what was the dressing percent of that pig?

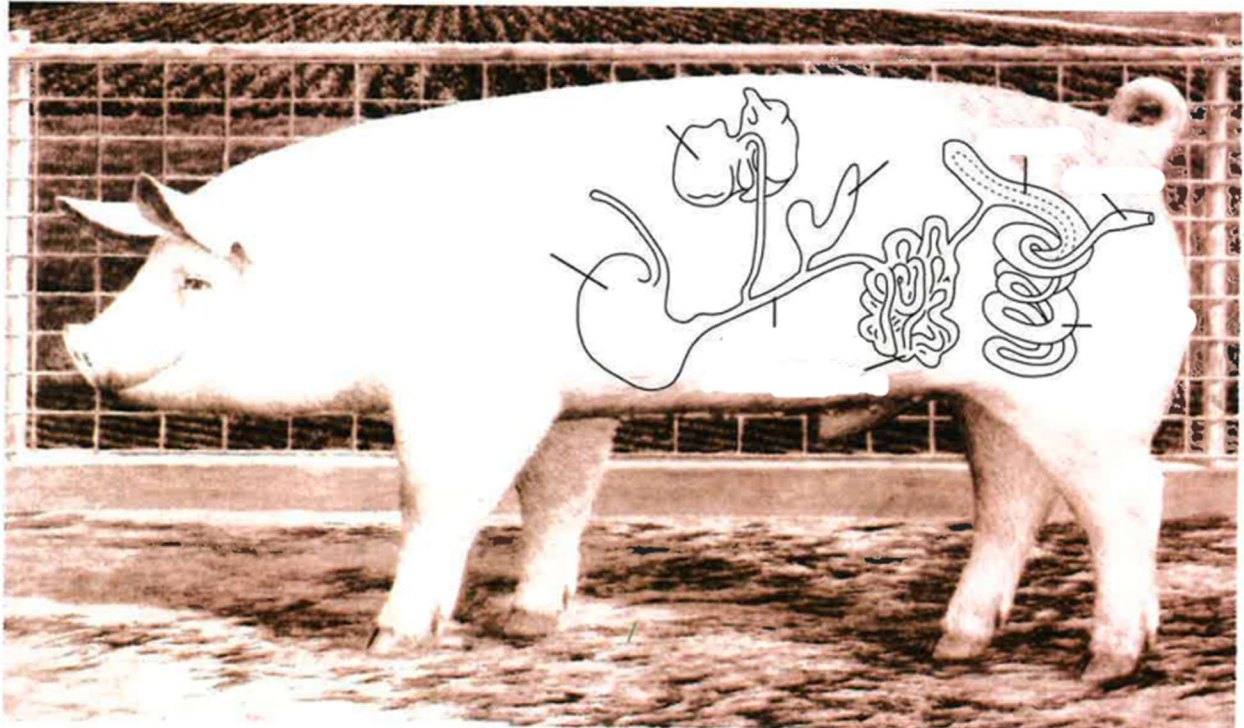
Be able to identify parts of a pig using the following diagram from the 4-H Swine Resource Handbook.



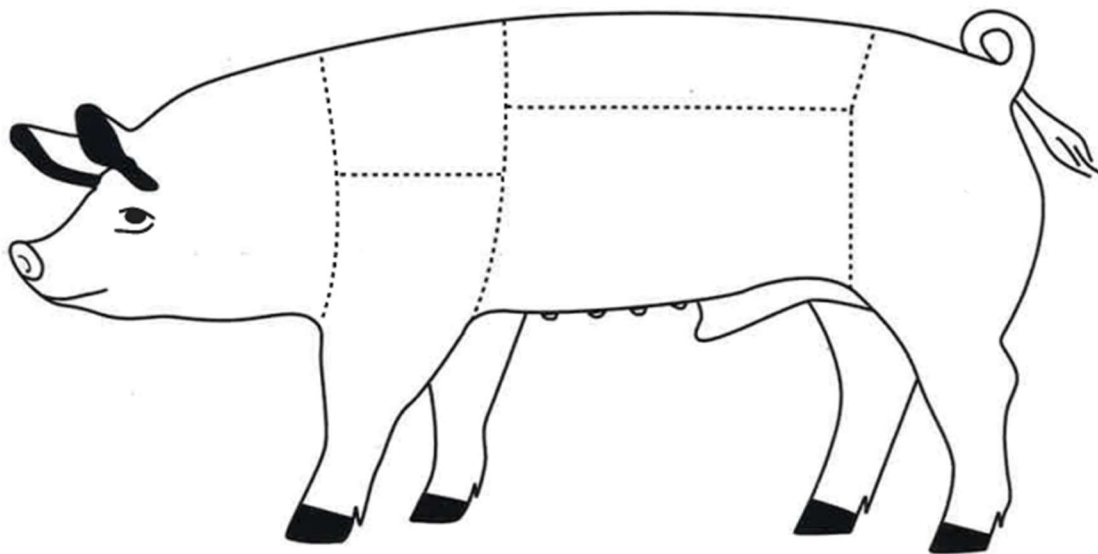
Be able to identify the parts of the skeleton using the following diagram from the 4-H Swine Resource Handbook.



Be able to identify parts of the monogastric digestive system using the following diagram from the 4-H Swine Resource Handbook.



Be able to identify wholesale cuts of lamb using the following diagram from the 4-H Swine Resource Handbook.



Understand the following topics:

- Importance of soundness in the structure of hogs
- How feeding different types of fats affects meat quality
- Average growth rate for a feeder pig
- Undesirable and desirable structure features
- Where is muscle typically measured
- How to read ear notches
- Common breed characteristics
- How to read feed tags
- Where feed ingredients are categorized into the 5 nutrient groups of energy, proteins, minerals, vitamins, and water
- Treatment and causes of diseases such as actinobacillus pleuropneumonia, anemia, and internal parasites
- Areas not to tap a pig
- Fremont County Fair minimum weight for fair
- Fremont County Fair minimum and maximum ages of animal
- Fremont County Fair mandatory classes