

**Unit 1, Lesson 4: Livestock in  
the Animal Kingdom:  
Taxonomy**

# Taxonomy and Linnaeus

- ***Taxonomy***: The classification of organisms in an ordered system that indicates natural relationships.
- The first individual to propose an orderly system for classifying the variety of organisms found on our planet was Linnaeus in 1753.
- Linnaeus suggested that every organism should be classified with a unique **binomial name**.



# Binomial Names

- **Binomial Names** refer to a two-word system that scientifically names the organism. The first term in this classification system is the organism's generic name or Genus. The second term is the organism's specific name or species designation.
- Using the binomial name method of classification, humans are referred to as *Homo sapiens*.
- *Every organism has a binomial name, first term is Genus or generic name, second term is species. Linnaeus was the first to create an orderly system.*



*Bos Taurus* (Scottish Highlander)



*Bos grunniens* (Tibetan Yak)

# Hierarchical system of taxonomy



# Livestock Classification Chart

	Horses	Sheep	Cattle	Goats	Pigs	Chickens	Turkey
Kingdom							
Phylum							
Class							
Order							
Family							
Genus							
Species							

# Livestock Breeds...Where do they fit?

- **Breeds** are groups of animals with common origin who have distinguishing characteristics that they pass on to their offspring in a uniform manner.
- ***Purebreds*** are animals whose sire and dam are of the same breed.
- ***Crossbred*** animals are offspring resulting from the crossing of a male of one breed with a female of another breed.

# Scientific Names for Livestock Breeds

To the best of your ability, “translate” these names into their common species and name. The “ssp.” means subspecies, or breed.

1. *Sus scrofa* ssp. Hampshire
2. *Ovis aries* ssp. Suffolk
3. *Bos taurus* ssp. Angus
4. *Gallus domesticus* ssp. Leghorn
5. *Canis familiaris* ssp. Dalmatian