**Overview of Range Animal Nutrition**

* 1. **Maintenance** = Basal Metabolism + Minimum Movement + Foraging

 On a yearly basis requires greatest amount of energy by the animal

* + 1. Depends on species -
		2. Age -

 For example basal metabolic rate of sheep:

 birth = 132 kcal /m3

 15 weeks = 68 kcal /m3

 6 years = 52 kcal /m3

* + 1. Domestic vs Native -



* 1. **Growth** -
	2. **Reproduction** -
	3. **Lactation** - greatest energy requirement of mature females above maintenance.
	4. **Environmental conditions** affect the amount of energy needed by animals
		1. Cold environments
		2. Hot environments
	5. **Level of activity:**
		1. 15% greater energy required for standing compared to lying down.
		2. 40-46% more energy needed for range animals than stall-fed animals.

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