**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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