

## Lesson 2 Quiz

## Effects of Nutrition On Reproduction

- Probably the single most important nutritional factor related to reproductive function in beef cows is?
  - Crude Protein
  - Energy
  - Crude Fat
  - Minerals
- Define the four stages of a cow's productive cycle and what functions occur during each.
  - First \_\_\_\_\_
  - Second \_\_\_\_\_
  - Third \_\_\_\_\_
  - Fourth \_\_\_\_\_
- Of the four stages of a cow's productive cycle, which one requires the least amount of nutrients (it is the one where producers can manipulate condition more readily?)
- What percentage of cows is cycling at the beginning of the breeding season?
- What factor helps a greater percentage of cows to be cycling at the beginning of the breeding season?
- From the discussion in this lesson, what would be an optimal body condition score for cows to calve in?
- From the following list, rank the priorities (from 1, highest, to 9, lowest) for energy use in a cow:

Energy use	Priority
a) Energy reserves	_____
b) Pregnancy	_____
c) Basal metabolism	_____
d) Additional energy reserves	_____
e) Estrous cycles and initiation of pregnancy	_____
f) Growth	_____
g) Lactation	_____
h) Excess energy reserves	_____
i) Activity	_____

8. What is a reasonable target weight (expressed as percentage of mature weight) for replacement heifers to reach at the beginning of their first breeding season?
  
9. If a cow has a BCS of 3 at calving, and she needs to have a BCS 5 (80 days later) at breeding, how many total pounds and average daily gain (pounds) does she need to gain to reach BCS 5?
  
10. What should be the lowest BCS cows may be permitted to drop to (when substantial nutritional or other hardships are present) before they may not have a chance to re-breed?

*Please list on the back any questions you may have that weren't answered in this lesson:*

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Name \_\_\_\_\_ Phone \_\_\_\_\_

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(Optional) Fax \_\_\_\_\_ E-mail \_\_\_\_\_