



# Steuben County 4-H Goat Worksheet



## Grade 10

Name: \_\_\_\_\_ 4-H Club \_\_\_\_\_

**Answers to these questions can be found in the "Goat Resource Handbook" 4-H 135R**

Use Chapter 4 to answer the following questions:

1. Complete the Punnett Square to determine polled or horned where the buck has a genotype PP and the doe is Pp.

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2. Based on the Punnett Square above answer the following questions:
  - a. What percentage of the offspring are likely to be horned? \_\_\_\_\_
  - b. What percentage of the offspring are likely to be polled? \_\_\_\_\_

3. Explain why more goats are born with horns when polled is the dominant trait.
 

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4. Explain how genetic principles apply to you and selection of your 4-H goats.
 

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5. What are two causes of poor fertility in goats?
 

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6. Goats are generally "seasonal breeders". What does this mean?
 

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Use Chapter 14 "Careers in Animal Science" to help you with the following questions.

7. 4-H livestock projects teach about animal science. Identify some skills or knowledge you have gained in the 4-H goat project that could relate to a career in the field of animal science.

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8. Identify some animal science careers that are directly related to skills learned in the goat project.

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9. Based upon reading and personal experience, what are some ways Agribusiness plays a role in the 4-H program?

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Use the Show Ring Ethics information on page 177 of your manual to answer the following questions:

10. Could you be a "winner" showing an animal without getting a champion ribbon? Explain.

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11. What are some methods that Steuben County could implement to start recognizing exhibitors for skills gained through livestock projects/shows? This would be in addition to awards and recognition received in the show ring.

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| Completed (40 possible)           | _____ |
| Accuracy of answers (30 possible) | _____ |
| Appropriate grammar (15 possible) | _____ |
| Neatness of record (15 possible)  | _____ |
| Total                             | _____ |
| A = 86-100 points                 |       |
| B = 71-85 points                  |       |
| C = 70 points or less             |       |