Year 10 4-H Horse Science Project exhibit requirements are as follows:

- 4-H Horse Project Story and photographs.
- Stable record.
- Horse reproductive system, breeding and genetics.
- Summary of 4-H Horse Project-related experiences, and personal growth/development as a result of these experiences.
- Up-to-date "Member's Personal 4-H Record". Bulletin is available at the MSU Extension office, 612 E. Main St., Centreville, Michigan.

Attention: Project materials must be exhibited in a three-ring binder notebook. Each consecutive year’s Horse Science Project work should be added to the notebook, with labeled dividers placed between each year’s work (i.e. Year 1, Year 2, Year 3, etc.). Member’s name, birth date, address and phone number must be listed on inside front notebook cover.
Project Story

Write a story telling about you and your horse, and any special accomplishments and experiences during your project work this year.

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If additional room is needed please use a separate sheet of paper.
Pictures of you and your horse
# STABLE RECORD

<table>
<thead>
<tr>
<th>Horse</th>
<th>Age</th>
<th>Weight</th>
<th>Height</th>
<th>Normal pulse</th>
<th>Temperature</th>
<th>Respiration</th>
<th>Owner</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>worming</td>
</tr>
<tr>
<td>tubed</td>
</tr>
<tr>
<td>flu vaccine</td>
</tr>
<tr>
<td>eastern/ western</td>
</tr>
<tr>
<td>tetanus</td>
</tr>
<tr>
<td>farrier</td>
</tr>
<tr>
<td>rabies</td>
</tr>
<tr>
<td>rhinomune</td>
</tr>
<tr>
<td>coggins</td>
</tr>
<tr>
<td>teeth</td>
</tr>
<tr>
<td>floated</td>
</tr>
<tr>
<td>other</td>
</tr>
</tbody>
</table>
A. Reproduction

1. Explain in detail chromosomes and genes. How many does man have and a horse have.

2. Name five reproductive hormones and their effect.
   1. __________________________
   2. __________________________
   3. __________________________
   4. __________________________
   5. __________________________

3. When does a mare and a stallion become physically able to reproduce?

What is the gestation period of a mare?
B. Draw pictures of the reproductive tracts of both a stallion and a mare, label the pictures.

C. Explain in detail how a black stallion mated to a black mare might produce a chestnut foal. Draw a diagram.
D. Give a summary of your 4-H experience, including how 4-H has helped you prepare for the future. Include how many years you have been in 4-H, the projects you have participated in, any special experiences, or honors. (attach paper)

E. Personal Member Record Book.