Madera County 4-H Dairy Cattle
Study Guide Level I & II

WRITTEN TEST

<table>
<thead>
<tr>
<th></th>
<th>Level I</th>
<th>Level II</th>
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<tbody>
<tr>
<td>Entry Form</td>
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<tr>
<td>Dairy Cattle Parts</td>
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EXPO DAY SKILLS

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<td>Total Needed to Pass Level</td>
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SKILLS – LEVEL I AND II

- How to tie and untie your animal.
- How to tie a slip knot.
- Move your animal in and out of a blocking chute.
- Properly placed halter.
- How to hold a show halter and lead.
- Basic showmanship skills.
- Basic fitting of dairy cattle – where to clip and how to set top lines.

SHOWMANSHIP – LEVEL I AND II

- Basic skills such as leading, posing and how to hold the halter properly. You are to bring one dairy heifer for every three members in your club. You will not be allowed to use other members animals unless prior arrangements have been made.

References:

   http://www.purebreddairycattle.com/pages/Literature.php

Approved 1/15/2020
DAIRY CATTLE TERMS

1. **Bloat** – Excessive gas build up in the rumen (stomach).
2. **Brand** – Permanent marking on skin caused by scar tissue.
3. **Bull** – A male dairy animal.
4. **Calf** – A female or male dairy animal, under one year of age.
5. **Cow** – A female dairy animal that has given birth.
6. **Cull** – Animal taken out of the herd because it is below the herd standard.
7. **Dam** – The mother of a dairy animal.
9. **Dry Cow** – A cow that is not producing milk (lactating).
10. **Fill** – Amount of water and feed in an animal.
11. **Heifer** – Female dairy animal before she has had her first calf.
12. **Off Feed** – Cattle that stop eating or eat very little.
13. **Ration** – Total feed given in a 24-hour period.
14. **Scours** – Diarrhea or loose running manure.
15. **Sire** – The father of a dairy animal.
16. **Steer** – Male cattle castrated at an early age. A male animal that is only used for meat.
17. **Polled** – Cattle born without horns.
18. **Castrate** – To remove the testicles of a male animal.
19. **Weaner** – Calf just taken away from its mother.
20. **Registered** – Purebred animals whose pedigree is recorded with a breed association registry.
21. **Gestation** – The period a cow is pregnant with a calf (282 days).
22. **Conformation** – Refers to the shape and design of an animal’s body.
23. **Barren** – Not able to produce a calf.
24. **Concentrate** – Feed stuffs (such as grains) that are low in fiber and high in digestible nutrients.
25. **Roughage** – Feed high in fiber (hays, silage and hulls).
# DAIRY CATTLE EQUIPMENT/SUPPLY I.D.

<table>
<thead>
<tr>
<th>Item</th>
<th>Equipment/Supply</th>
<th>Description</th>
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<tbody>
<tr>
<td>A.I. pipette</td>
<td>electric branding iron</td>
<td>neck rope</td>
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<tr>
<td>alcohol</td>
<td>electric clippers</td>
<td>nose lead (bull)</td>
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<tr>
<td>animal marker chalk</td>
<td>electric dehorner</td>
<td>nylon rope halter</td>
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<tr>
<td>automatic syringe</td>
<td>emasculator</td>
<td>obstetrical chain handle</td>
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<tr>
<td>balling gun, metal</td>
<td>emery cloth</td>
<td>paint branding iron</td>
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<tr>
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<td>calf drencher</td>
<td>hoof/horn rasp</td>
<td>tattoo ink</td>
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<td>mane/tail comb</td>
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<tr>
<td>elastator</td>
<td>mineral oil</td>
<td>wire hoof brush</td>
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Approved 1/15/2020
PARTS OF A DAIRY COW

- poll
- forehead
- bridge of nose
- muzzle
- jaw
- throat
- point of shoulder
- dewlap
- brisket
- point of elbow
- knee
- sole
- heel
- back
- chine
- loin
- barrel
- rump
- topline
- withers
- neck
- crops
- heart girth
- ribs
- flank
- fore udder
- milk veins
- milk wells
- teats
- fore udder attachment
- thigh
- rear udder attachment
- stifle
- rear udder
- hock
- switch
- dewclaw
- tail
- tailhead
- pin bones
- hoop
### Madera County 4-H Dairy Cattle Study Guide Level I & II

**LIVESTOCK**

(Please circle correct Species/Department)

- BEEF
- SWINE
- SHEEP
- DAIRY
- MEAT GOAT
- DAIRY GOAT
- PYGMY GOAT

1850 W CLEVELAND AVE
MADERA, CA, 93637
559-674-8511

**FFA Chapter / 4-H Club**

(Please circle correct Department)

- Club / Chapter

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**PLEASE PRINT OR TYPE**

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**EXHIBITOR'S AGE**

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**DIVISION NUMBER**

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**Consult Exhibitor's Handbook For Division and Class Numbers, Entry Fees, And Closing Dates**

**TOTAL ANIMALS**

**TOTAL FEES**

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The exhibitor agrees to defend, indemnify and hold harmless the Fair, the county and the State of California from and against any liability, claim, loss or expense (including reasonable attorney's fees) arising out of any injury or damage which is caused by, arises from or is in any way connected with participation in the program or event, excepting only that caused by the sole active negligence of the Fair. The Fair Management shall not be responsible for accidents or losses that may occur to any of the exhibitors or exhibits at the fair. The exhibitor (or parent or guardian of a minor) is responsible for any injury or damage resulting from the exhibitor's participation in the program or event. This includes any injury to others or to the exhibitor or to the exhibitor's property. Exhibitor has read, understands and agrees to abide by all of the rules published in the Fair's Exhibitor Handbook.

**Exhibitor Signature:** ____________________________ **Parent/Guardian Signature:** ____________________________

I certify that this entry is the project of the exhibitor and is eligible to be shown in accordance with the rules of this show.

**Advisor/Leader/Teacher Signature & Phone Number:** ____________________________ **Club / Chapter:** ____________________________

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**FOR FAIR USE ONLY:**

DATE RECEIVED:

______________________________

RECEIVED BY:

______________________________

EXHIBITOR NO:

______________________________

**Exhibitor Last Name:** ____________________________ **Exhibitor First Name:** ____________________________
Tying the Quick Release Knot

Practice tying this knot without your horse until you can do it correctly and release it just by pulling on the free end. This is the ONLY knot you should use to tie horses.

1. Put your lead rope over the post
2. Bring the release end over and around the tie end
3. Pull a loop through using the release end, then pull the knot closed so it looks like #4
4. Now, if your horse pulls back in a panic, you untie the knot by pulling on the release end - the whole thing should come undone easily

This end tied to horse
This end tied to horse
This end tied to horse
This end tied to horse
This is the end you pull for quick release