Reference Material: The following reference materials are available at the St. Joseph County MSU Extension office – *Learning About Dairy* 4H1544 and *Working with Dairy Cattle* – Holstein Foundation.

<table>
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<tr>
<th>Name</th>
<th>Age by Jan. 1</th>
<th>4-H Club</th>
<th>No. Years in Project</th>
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What is the 4-H Motto?  

Where did you obtain your project animal(s)?  

List five points to consider when selecting a dairy project heifer.  

1.  
2.  
3.  
4.  
5.  

Name the six major breeds of dairy cattle.  

1.  
2.  
3.  
4.  
5.  
6.  

What is a pedigree and what information is usually found in a pedigree for a dairy animal?  

What is colostrum and why is it important for a newborn calf?
What is “weaning”? ________________________________

How old should a calf be before it is weaned? ________________________________

List the Milk Replacer nutrient composition (if used):

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Describe the grain ration(s) you used and list the main ingredients in each. ________________________________

Describe the housing and environment your animal was raised in. ________________________________

List five management practices you used to keep your animal(s) healthy.

1. ________________________________
2. ________________________________
3. ________________________________
4. ________________________________
5. ________________________________

Did you have any disease problems? (If yes, explain how you treated them.) ________________________________

What is the rumen and what is its function? ________________________________
Parts of the Cow: Match the numbers with the parts of the cow listed below.

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___ Tail  ___ Rear Udder  ___ Flank
___ Crops  ___ Heart Girth  ___ Hoof
___ Chest Floor  ___ Mammary Veins  ___ Dewlap
___ Loin  ___ Point of Elbow  ___ Sole
___ Fore Udder  ___ Suspensory Ligament  ___ Teats
___ Poll  ___ Pastern  ___ Rump
___ Thurl  ___ Stifle  ___ Knee
___ Barrel  ___ Rear Udder Attachment  ___ Neck
___ Withers  ___ Switch  ___ Chine
___ Back  ___ Dew Claw  ___ Heel
___ Hock  ___ Fore Udder Attachment  ___ Forehead
___ Muzzle  ___ Point of Shoulder  ___ Ribs
___ Thigh  ___ Tail Head  ___ Hooks
___ Pin Bone  ___ Bridge of Nose  ___ Brisket
**Pedigree Chart:** Record pedigree information for each of your project animals (attach additional sheets as necessary). Information may include registration numbers, production records, classification scores, awards, and sire summary information.