

2006 N.Y. State District Junior Dairy Quiz Bowl Contest

Junior Packet 1, Phase A

1) The 2005 dietary guidelines call for Americans to consume an increased number of servings of fat-free or low-fat dairy products. How many servings are now recommended per day?

- 3 servings (DT 2/2005 p.22)

2) Give the term for the ankle band that measures activity or motion of a cow?

- Pedometer

3) A lot of farms are now using locomotive scoring systems in order to detect lame cows. Most systems use a scale of 1-4 or 1-5. What does a score of 1 indicate?

- The cow's gait is normal; she stands and walks with a flat back.
(DT June/July/2004 p.18)

4) What are obstetrical chains used for on the dairy farm?

- Help deliver a calf during birth

Junior Packet 1, Phase B

1) Name three of the five fundamentals for calf-housing success.

- A dry, comfortable resting area.
- Good ventilation.
- Access to feed and water.
- Confident footing (stable, skid-free surfaces)
- Don't overcrowd (DHM 3/2003 p.48)

2) Name 2 hormones the ovary produces.

- Estrogen
- Progesterone
- Relaxin (Dairy Cattle PPPand P, pg. 278)

3.) You notice that your calves are having scours that are bright yellow and tinged with bloody castings of intestinal tissue. The calves are also running fevers from 102-106F and aren't interested in eating or even getting up. You diagnose the pathogen as *Salmonella*. Give three possible treatment options for combating this disease.

- Oral electrolytes (fed up to 5x/day)
- Injectable antibiotics
- IV electrolytes
- Switching bedding (something the calves won't eat (ex. Wood shavings)
- Adding a powdered probiotic to their milk replacer
- Proper cleaning of equipment (HD Summer 2005)

4.) Name five dairy products.

- Milk
- Ice Cream
- Cheese
- Butter
- Yogurt
- Cottage Cheese
- Sour Cream
- Frozen Yogurt
- Cream Cheese
- Non-fat dry milk

Junior Packet 1, Phase C

1) What temperature should milk be stored at in the bulk tank?

-36-38F (3C) (HD 7/2004 p. 436)

2) In the area of feeding and growing crops, what do the initials BMR stand for?

- Brown Midrib (corn) (HD 12/2005 p. 822)

3) Which month is National Ice Cream month?

- July (2006 Virginia 4-H DQB materials, pg. 39)

4) What do the initials NAIS stand for?

- National Animal Identification System (NEDB 6/2005 p. 6)

5) How much money per hundredweight is withheld for dairy promotion programs?

- 15 cents (HD 12/2005 p.807)

6) What is the legal limit for Somatic Cell Counts in the United States?

- 750,000 cells/ml (DHM 2/2005 p. 6)

7) BLV accounts for 50% of USDA condemnments at slaughter facilities. What do the initials BLV stand for?

- Bovine Leukosis Virus (NEDB 4/2005 p.20)

8) How much colostrum should calves be fed within the first six hours of birth?

- One gallon or 8 to 10 % of BW (DHM 6/2005 p.15)

9) What time of year is the demand for dairy products the lowest?

- Summer (HD, pg. 342)

10) What is the average processing fee for a unit of sexed semen?

- \$35.00 per unit (HD5/2005 p.396)

11) Which dairy breed has the most cows in the U. S.?

- Holstein (USDA.gov.cowfacts)

12) What is the name of the producer-funded initiative to balance supply and demand in the dairy industry, and have a positive impact on milk prices?

- The CWT Program (Cooperative Working Together) (DHM 3/2005)

14) What do the initials BVD-PI stand for in the area of cattle diseases?

- Bovine Viral Diarrhea – Persistently Infected (DHM 9/2005 p. 27)

15) A calf's daily gain can increase by 61 percent by including what free-choice nutrient in their daily diet?

- Water (DHM 6/2005 p.22)

16) In the area of farm management, what do the initials SOP stand for?

- Standard Operating Procedures (HD 10/10/2002)

**2006 N.Y. State District Junior
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Junior Packet 2, Phase A

1) If a feed contains 70% moisture, what is the percent dry matter?

- 30%

2) Bovine fetuses can become persistently infected with Bovine Viral Diarrhea (BVD) between what days of gestation?

- 30-125 days or first trimester (DHM 10/2005 p. 28)

3) What crop produces the most energy per acre?

- Corn

4) On the average, which is lower in cholesterol, animal or plant products?

- Plant

Junior Packet 2, Phase B

1) In dairy herds, there are several sources of environmental bacteria that can cause mastitis. Name 3 possible sources these bacteria can come from.

- Feces
- Bedding
- Feedstuffs
- Soil
- Water
- Mud

2) The USDA publishes bull proofs four times per year in which months?

- February
- May
- August
- November

3) What are the three major volatile fatty acids (VFA's) that are produced by the rumen?

- Acetic Acid
- Butyric Acid
- Propionic Acid

4) Parturition is the act of giving birth. What are three signs a cow may show near the time of calving?

- Udder full
- Vulva enlarged
- Mucus discharge
- Relaxation of ligaments around tail head
- Restless
- Bellowing for another calf that might be born near by

Junior Packet 2, Phase C

1) From birth to about 2 months of age, what is the water content of a calf's body?

- 70 to 85 % (HD1/10/2006 p.16)

2) The key to developing a calf's rumen is dry starter intake. However, starter cannot begin to ferment in the rumen unless there is enough of what nutrient?

- Water (HD 1/10/2006 p.16)

3) Soybean meal is generally added to a dairy rations to supply what nutrient?

- Protein

4) What vitamin is used to help prevent white muscle disease?

- Vitamin E (UMSG)

5) When is the best time to treat subclinical mastitis?

- During the Dry Period (USMG)

6) Where is a cow's blind spot?

- Directly behind her

7) What does morbidity rate measure?

- The number of sick animals

8) Where does fertilization occur?

- Oviduct

9) Grass tetany is a metabolic disturbance that is associated with a deficiency of what mineral?

- Magnesium

10) On which side does a displaced abomasums occur most often?

- Left side (80-90%)

11) What is a balling gun used for?

- Administering a bolus/pill.

12) What are the tiny, finger-like projections that line the wall of the rumen called?

- Papillae

13) Where are fats broken down in the dairy cow?

- Small Intestine

14) When posing your heifer in a show ring on an incline, which part of her body should be up hill?

- Front Feet

15) What does it mean if a feed is palatable?

- Animals eat the feed, they like it, it is acceptable to them.

16) Which parent determines the sex of a calf?

- Sire

2006 N.Y. State District Junior Dairy Quiz Bowl Contest

Junior Packet 3, Phase A

1) In the reproductive track, where are the muscular rings found?

- Cervix

2) Which part makes up only a quarter of the calf's stomach, but nearly all of a mature cow's stomach?

- Rumen (Virginia 4-H DQB materials-2006)

3) Which is more valuable as a feed, immature hay or mature hay

- Immature hay (Virginia 4-H DQB materials-2006)

4) Caused by over milking and low vacuum, what is the term used to describe rough teat ends?

- Hyperkeratosis (Nov. 2005 HD 783)

Junior Packet 3, Phase B

1) What are the two types of amino acids?

- Essential and Nonessential

2) Name 3 of 5 areas of a farm electrical bill consume 90% percent of a farm electrical bill?

- Milk cooling
- Vacuum pump
- Lightening
- Water heating
- Ventilation costs, fans (Nov. 2005 HD 781)

3) Name 3 important points in selecting a calf as a project animal.

- Age
- Breed
- Health
- Pedigree
- Conformation
- Cost
- Place to keep it and location

4) Name 3 parts of a milking unit.

- Shells
- Inflatons
- Claw
- Air tubes
- Milk Tubes
- Pulsator
- Teat cups (Virginia 4-H DQB materials-2006)

Junior Packet 3, Phase C

1) What is residual milk?

- Amount of milk left in the udder after normal milking.

2) What is the term used to describe a business that is owned by two or more individuals who share profits according to their contribution of labor, management, and capital?

- Partnership

3) If you do a test to detect the presence of acetone in the urine or milk of a cow, what problem are you trying to diagnose?

- Ketosis

4) The J-5 vaccine is given to protect against what?

- Coliform Mastitis

5) The microorganisms that cause mastitis enter the udder through what?

- The teat/ streak canal

6) What is the single best indicator of milk quality management?

- Average monthly somatic cell count (Dec 2005 HD 836)

7) Name the hormone that is needed for establishing and maintaining pregnancy.

- Progesterone

8) What does a body condition score of 1 mean?

- The cow is severely underconditioned (HD's 2/06, pg. 100)

9) What vitamin is usually added to fresh whole milk?

- Vitamin D

10) Ringworm is caused by what type of organism?

- Fungus

11) What element is used to keep bull semen frozen?

- Liquid nitrogen

12) How much does a gallon of milk weigh in pounds?

- 8.6 pounds

13) What is the best bedding choice for calves in the winter months?

- Straw (HD's Nov/Dec 05, pg. 817)

14) Wisconsin has how many different varieties, types and styles of cheese?

- 500 (HD's, pg. 69)

15) Johne's disease affects which organ system?

- Digestive system (HD's, pg. 587)

16) On a pedigree, the cow's mother is referred to as what?

- The Dam

**2006 N.Y. State District Junior
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Junior Packet 4, Phase A

1) When making silage, why is it important to seal the storage facility tightly?

- To keep oxygen out so that fermentation can happen (HD's, 9/25/04, pg. 606)

2) Milk can be checked for what hormone to determine pregnancy?

- Progesterone (HD's, pg. 27)

3) Organisms that live on or in an animal at the expense of the host are called what?

- Parasites

4) Which part of the digestive tract is responsible for secretion of gastric juices?

- The abomasum

Junior Packet 4, Phase B

1) What is the difference between mortality and morbidity?

Mortality- Death

Morbidity- Sickness

2) What are 3 cold weather- feeding tips for calves?

- Use high fat milk replacers to provide extra energy
- Increase dry matter intake 10 % for every 10 degrees that daytime temperature is 10 degrees below 32 degrees.
- Offer plenty of warm water
- Encourage calves to eat starter feed.
- Feed calves 3x a day vs 2x
- Increase amount of milk or replacer being fed

3) Name the three parts of the small intestine.

- Duodenum
- Jejunum
- Ileum (VDQBM, pp.7)

4) What are four clinical symptoms of mycotoxins in dairy cattle?

- Abortion
- Cystic ovaries
- Feed refusal
- Gastrointestinal upsets
- Infertility
- No milk
- Poor response to therapy
- Rise in metabolic disease due to liver malfunction
- Silent heats
- Unthriftiness
- Weight loss (VDQBM, pp.28)

Junior Packet 4, Phase C

1) Which protein is unique to milk and contributes 82 percent of the total milk proteins?

- Casein

2) There has been ongoing research in to the issue that there may be a link between Johne's disease in cattle and what disease in humans?

- Crohns Disease (HD, pp 638)

3) The "Milk is Milk" campaign is led by the CGFI. What does CGFI stand for?

- Center for Global Food Issues

4) What is a cull cow?

- A cow that has left the herd (HD, pp.738)

5) During which season do calves have the lowest survival rate?

- Winter (HD, pp.48)

6) A stud code of seventy- six represents which AI business?

- Taurus Service Inc (DHM, March 04)

7) What is present in milk and meat that is believed to have anti-carcinogenic effects in humans?

- Conjugated Linoleic Acids (DHM, Dec.04)

8) What is the common name for Kertoconjunctivitis?

- Pinkeye (VDQBM, pp.28)

9) Name the cell in the mammary gland that the milk ejection hormone acts upon?

- Myoepithelial cell

10) Reduced fat milk (2 % fat milk) contains how many gram of fat?

- Five grams of fat (VDQBM, pp.35)

11) The first step in the Presynch protocol is?

- Give a prostaglandin injection (HD, pp.272)

12) Which stomach compartment is largest in a young calf?

- Abomasum (HD, pp.390)

13) When the teats and udder are massaged, a signal is sent to secrete this hormone?

- Oxytocin

14) This reproductive structure is also known as the “Yellow Body”.

- Corpus luteum (CL) (VDQBSM, pp.18)

15) What month is dairy month?

- June

16) What is the normal pH of a healthy rumen?

- 6.2 – 6.5 (HD, pp.57)

**2006 N.Y. State District Junior
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Junior Packet 5, Phase A

1) What age does puberty usually occur in Holsteins?

- Between 9 and 11 months (HD, 2/05, pg. 82)

2) Human resource management refers to the management of what?

- People/employees

3) In dairy calves, caustic potash is used for what purpose?

- Dehorning

4) What is the term commonly used to describe one hundred pounds of milk?

- Hundredweight or cwt

Junior Packet 5, Phase B

1) Name 4 four things that a farm can practice to achieve higher milk production within the herd?

- Genetics
- Replacement Animals
- Health Programs
- Cow Comfort
- Reproduction
- Technology
- Milking Procedures
- Forage Quality
- Nutrition (HD, pp.233)

2) Name 3 different types of heat detection aids?

- Tailhead chalk or paint
- Pedometers
- Progesterone inserts (CIDR's)
- Gomer cow
- Estrus synchronization
- Rump mounted heat detection patches(kamars)
- Electronic rump mounted heat detection patches(heat watch)

3) Name 2 characteristics of a good footbath design or system.

- Deep enough to submerge the whole foot
- Long enough to all four feet in
- Impossible for the cow to side step the bath
- Easy to clean
- Located in a good spot that does not slow cow traffic

4) Name four types of bedding that are typically used for dairy cattle?

- Newspaper
- Recycled Manure Solids
- Sand
- Sawdust (green or kiln-dried)
- Shavings
- Straw (VDQBMS, pp.41)
- Old hay

Junior Packet 5, Phase C

1) In New York State what is the top dairy producing county?

- Wyoming, New York (HD, pp.769)

2) How many hours each day should a dairy cow spend resting?

- 10 to 12 hours (HD, pp.70)

3) Anemia is usually associated with a deficiency in what mineral?

- Iron

4) What is the reason for using a dilator when a teat has been injured?

- Keeps the teat open

5) A heifer is bred at 15 months, how old will she be when she calves?

- 2 years or 24 months

6) Why do dairy farmer's give cows magnets?

- To prevent Hardware Disease

7) Which grade of milk is produced under sanitary conditions that qualify it for fluid consumption and is the only grade regulated under Federal Milk marketing orders?

- Grade A (2006 Virginia DQB materials)

8) What intravenous fluid would you most likely treat a cow with ketosis?

- Dextrose

9) On a calving ease score of one to five, what does a calving ease of 1 indicate?

- No assistance needed

10) What year did the Hoard's Dairyman hold its first judging contest?

- 1930 (HD, pp.15)

11) What are male sex cells called?

- Spermatozoa (DCPP, pp.256)

12) What is the enzyme used in cheese production to coagulate milk?

- Rennet (VQBSM)

13) What is eructation?

- Burping or Belching

14) How many mammary glands does a cow have?

- 4 glands

15) When considering the diet for open heifers, the farmer needs to consider the energy requirements for maintenance and what else?

- Growth (HD, pp. 591)

16) Before feeding waste milk to your calves what process should it undergo?

- Pasteurization (HD, pp.624)

2006 N.Y. State District Junior Dairy Quiz Bowl Contest

Junior Packet 6, Phase A

1) What is the name of the device that measures the specific gravity of colostrums and relates it to antibody concentration of the colostrums?

- Colostrometer

2) What is the term for the shrinking of the udder in the dry period?

- Involution

3) Trichomoniasis is considered to be a venereal disease. How is it spread?

- Breeding – using natural service bulls

4) What is an advantage of conservation tillage?

- It reduces soil erosion by water

Junior Packet 6, Phase B

1) Name three methods of reducing soil erosion.

- Wind breaks
- Cover crops
- Strip cropping
- Contour cropping
- Terracing
- Grass waterways
- Reduced tillage
- Soil seeding (VDQBSM, pp.41)

2) On dairy farms one approach to achieving higher milk production and better management is technology. Name 3 different technologies that might be used on a farm to help in maximizing milk production and enhance management.

- Computerization
- Electronic ID
- BST
- Ultrasound
- 3x milking
- Rumensin (HD, pp.233)
- Automatic takeoffs
- Heat detection aids
- TMR
- AI breeding

3) Name the 6 breeds of dairy cattle.

- Ayshire
- Brown Swiss
- Holstein
- Jersey
- Milking Shorthorn
- Guernsey

4) Name 3 forages that can be used as silages.

- Corn, Sorghum, Alfalfa, Peas, Oats, Rye, Barley, Grasses (UMN)

Junior Packet 6, Phase C

1) What company announced the development of a flavored milk drink called Quaker Milk Chillers?

- Pepsi (HD, pp.123)

2) What state ranks first in the nation for corn silage production?

- Wisconsin (HD, pp.122)

3) Where would you look to find the escutcheon?

- Where the udder attachment joins the udder

4) What month would you breed a cow if a calf were desired to be born in January?

- April

5) When Columbus landed in America in 1492, how many dairy cows were in North America?

- None

6) What is the sire of a calf's dam called?

- Maternal grand sire

7) What does morbidity rate measure?

- The number of sick animals (VDQBSM, pp.30)

8) Papillomatous digital dermatitis is the proper name for what?

- Hairy Heel Warts (VDQBSM, pp. 26)

9) What manufacturing process is Brewer's grain a by-product of?

- Beer manufacturing

10) Which direction do you lead a dairy cow in the show ring?

- Clockwise

11) In an AI program, what is the liquid nitrogen used for?

- Freezing semen and storing frozen semen

12) In 2004 39.7% of the milk supply was used to make what dairy product?

-Cheese

13) What class of milk is used to make butter and dry products like non-fat dry milk?

- Class IV milk

14) Which nutrient is made up of amino acids?

- Protein

15) The dairy animals family tree or record of ancestry is called what?

- Pedigree

16) What did early settlers refer to milking shorthorns as?

- Durhams

**2006 N.Y. State District Junior
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Junior Packet 7, Phase A

1) How long after calving is a placenta considered to be retained?

- 12 hours (CU, 2004)

2) What is the name of a substance produced by a microorganism that at low concentrations inhibits or kills other microorganisms?

- Antibiotic (CU, 2004)

3) If you have a 100-lb bag of feed, and 2% of it is protein, how many pounds of the bag is protein?

- 2 pounds (UMN)

4) During cold weather what happens to the calf's requirement for energy?

- It increases

Junior Packet 7, Phase B

1) Name 3 possible ways that Bovine Leukosis Virus (BLV) can be spread.

- Contaminated needles/syringes
- Obstetrical Sleeves
- Saw or Gauge dehorner
- Tattoo pliers, Ear taggers, Hoof knives, Nose tongs
- Feeding unpasteurized milk or colostrum from BLV- infected cows to calves.
- Animal to animal contact
- In utero
- Nasal and ocular secretions

2) What are the four classes of milk?

- Class I - fluid
- Class II- soft products
- Class III – cheese
- Class IV- dry/powdered products

3) When conducting a fresh cow exam, what are three things to check for?

- Check neck for swollen lymph nodes
- Check cow with a stethoscope to listen to heart, lung, and rumen sounds.
- Palpate cows
- Sunken eyes
- Temperature, normal or not
- Ketosis
- Mastitis
- Rough hair coat

4) Name three advantages of Artificial Insemination.

- Safety
- Advance genetic selection
- Decreases chance of spreading STD's
- Better records

Junior Packet 7, Phase C

- 1) What are SCOUT, P C Dart, and Dairy Comp 305?
 - Dairy record management programs.
- 2) What is a balance sheet?
 - A statement that compares income and expenses. (CU, 2004)
- 3) What is a good benchmark for calf mortality?
 - < 5% (CU, 2005)
- 4) Which bull stud uses exclusively pocket thaw semen?
 - Genex CRI
- 5) What is the respiratory rate of a lactating dairy cow?
 - 30 breaths per minute
- 6) During gestation, which trimester are maternal requirements for energy highest?
 - Final Trimester, last third (last 3 months) (CU, 2004)
- 7) During what season do twins occur most often?
 - Summer
- 8) Milk cultured with a special bacteria is called what?
 - Yogurt
- 9) What is the name of the disease that can infect people and cows and is transmitted by a small tick?
 - Lyme disease
- 10) How long is the gestation period for Holstein cows?
 - 280-282 days

11) What does TMR stand for in reference to feeding?

- Total Mixed Ration

12) What is the name of the disease in humans in which the bones start to deteriorate?

- Osteoporosis

13) What's the number one dairy county in the US?

- Tulare CA

14) How many classes are in the Hoard's Dairyman Judging contest?

- 5

15) What is the recommended ph for soil to grow corn?

- 6.0 (HD, 260)

16) Who is the US Secretary of Agriculture?

- Mike Johanns

2006 N.Y. State District Junior Dairy Quiz Bowl Contest

Junior Packet 8, Phase A

1) What does IM mean relative to giving a cow an injection?

- Intramuscular

2) What is the term used to describe the relative amount of subcutaneous body fat or energy reserve in the cow?

- Body Condition

3) Where in the reproductive tract should semen be deposited?

- Uterine Body

4) When looking at the locomotion of a cow, what does a score of five indicate?

- Severe Lameness

Junior Packet 8, Phase B

1) What are the 4 phases of the estrus cycle?

- Estrus
- Metestrus
- Diestrus
- Proestrus

2) What does the terminology mean when we say there is a withholding time of 21 days?

- The time it takes for the drug/chemical to be used up by the animal's body after it has been administered. This information should be found on the label of the product.

3) State two of the ways in which colostrum can be administered to a calf.

- Suckle dam
- Bottle
- Tube feeding

4) Name 2 types of storage facilities for silage.

- Bunker silo
- Trench silo
- Upright or tower silo
- Oxygen limiting silo
- Plastic bag

Junior Packet 8, Phase C

1) The movement of nutrients across the surface of soils to surface water like ponds, rivers or streams is called what?

- Run off

2) What is best to use on silo floors?

- Asphalt

3) An excessive accumulation of fluid between the skin and secretory tissue is defined as what?

- Edema

4) An accumulation of pus and fluid in the uterus is known as what?

- Pyometria

5) What is a calving interval?

- Days (amount of time) between calves

6) Where is Follicle Stimulating Hormone (FSH) produced in the cow?

- Pituitary Gland

7) Multiplying the heat detection rate by the conception rate gives us what?

- Pregnancy Rate

8) What is dystocia?

- Abnormal or difficult labor and/or birth

9) How many pounds of whole milk does it take to make a gallon of ice cream?

- 12 pounds

10) When properly refrigerated, how many days does milk remain fresh after the expiration date?

- 7 to 10 days ([Http://aipl.arsusda.gov](http://aipl.arsusda.gov))

11) In 2003, where did New York State rank in terms of total milk production?

- Third, behind California and Wisconsin (NEDB, 4/05)

12) When sanitizing equipment, the temperature of the water at the end of the cycle should be at least how many degrees?

- 120 F (NEDB, 4/2005)

13) What do the initials PTO stand for?

- Power Take Off

14) Newborn calves start to burn body stores when the temperature falls below how many degrees Fahrenheit?

- 60 F (NEDB, 4/2005)

15) What does a Standard Plate Count (SPC) measure?

- The amount of bacteria in harvested milk

16) What is a castrated male bovine called?

- Steer

Extra Questions
2006 N.Y. State District Junior
Dairy Quiz Bowl Contest

- 1) Shortly after a calf is born, we dip her navel with what?
 - 7% tincture of iodine
- 2) Which body part of the dairy cow is made up of the cecum and colon?
 - Large intestine
- 3) In a vaccination program, what do the initials MLV stand for?
 - Modified Live Vaccine
- 4) The highest percent of protein is usually found in what part of a plant?
 - The leaves
- 5) What is the normal presentation of a calf during the birthing process?
 - Head (muzzle) and front feet first
- 6) The Babcock test was developed to measure what?
 - Butterfat composition
- 7) What is the term used to describe breeding an animal of one breed to another?
 - Cross Breeding
- 8) What is drenching in reference to feeding?
 - Forcing an animal to drink water and or nutrients
- 9) What links the embryo to the placenta?
 - Naval cord or umbilical cord
- 10) How many teeth does a mature dairy cow have?
 - 32 teeth

11) Where do you use a weigh tape?

-Around the hearth growth

12) What does DHIA stand for?

- Dairy Herd Improvement Association

13) What disease is caused by Mycobacterium paratuberculosis?

- Johne's Disease (DHM, Dec. 04)

14) What is the function of an olfactometer?

- Detects odors

15) Which vitamin plays a role in the coagulation of blood?

- Vitamin K (VDQBSM, pp.8)

16) At what age does a calf begin to chew its cud?

- 2 to 3 weeks (VDQBSM, pp.25)

17) What is the largest Dairy Cooperative?

- Dairy Farmers of America (HD, pp.625)

18) Where is the American Guernsey Association located?

- Reynoldsburg, Ohio (VDQBSM, pp.32)

19) What hormone is released when a cow is frightened or becomes excited?

- Adrenaline

20) What is a mission statement for a business?

- A few sentences that sum up the core values and goals of the business