

Rendering Lesson- Answer Key

1. What percentage of production animals do we eat in the U.S.?
50%
2. Renderers collect this much product every year in the U.S.?
56 billion pounds
3. What Roman scholar is credited with producing the first soap?
Pliny the Elder
4. During World War II, what did the U.S. Armed Services collect from household to produce explosives and gunpowder?
Fat
5. What percentage of rendering comes from dead stock?
4.5%
6. What three factors are used in the cookers to eliminate pathogens?
Temperature, time, pressure
7. What is done to meal to insure uniform particle size?
Screening
8. What is used to purify fat by removing solids?
Centrifuge
9. What are two methods to transport finished products to customers?
Trucks, Railcars, Cargo Containers, Bulk Ships
10. Name 4 products made from animal by products:
Any 4 products from slides 33 - 39
11. How many Dallas Cowboys football stadiums would the raw material from farms, feedlots and slaughter facilities fill in one year?
104,000 times
12. How many metric tons of greenhouse gas emissions (GHG) does one decomposing cow release?
1.2 metric tons

13. Rendering reduces GHG to the equivalent of how many cars?
18.5 million cars
14. What year did Ira C. Darling start the company?
1882
15. What year was Darling Ingredients listed on the New York Stock Exchange?
2007
16. How many rendering locations does Darling Ingredients have in North America?
150
17. What are the three core values of Darling Ingredients?
Integrity, Transparency, Entrepreneurship
18. Where is Darling Ingredients headquarters?
Irving, Texas
19. How many customers does DARPRO Solutions service nationwide?
225,000
20. How many gallons of renewable diesel does Diamond Green produce annually?
1.2 billion gallons
21. What insect does Enviroflight use for alternative protein sources?
Black soldier fly larvae (BSFL)
22. What is Heparin used to treat?
Blood clots
23. Where is Rousselot based?
Belgium