

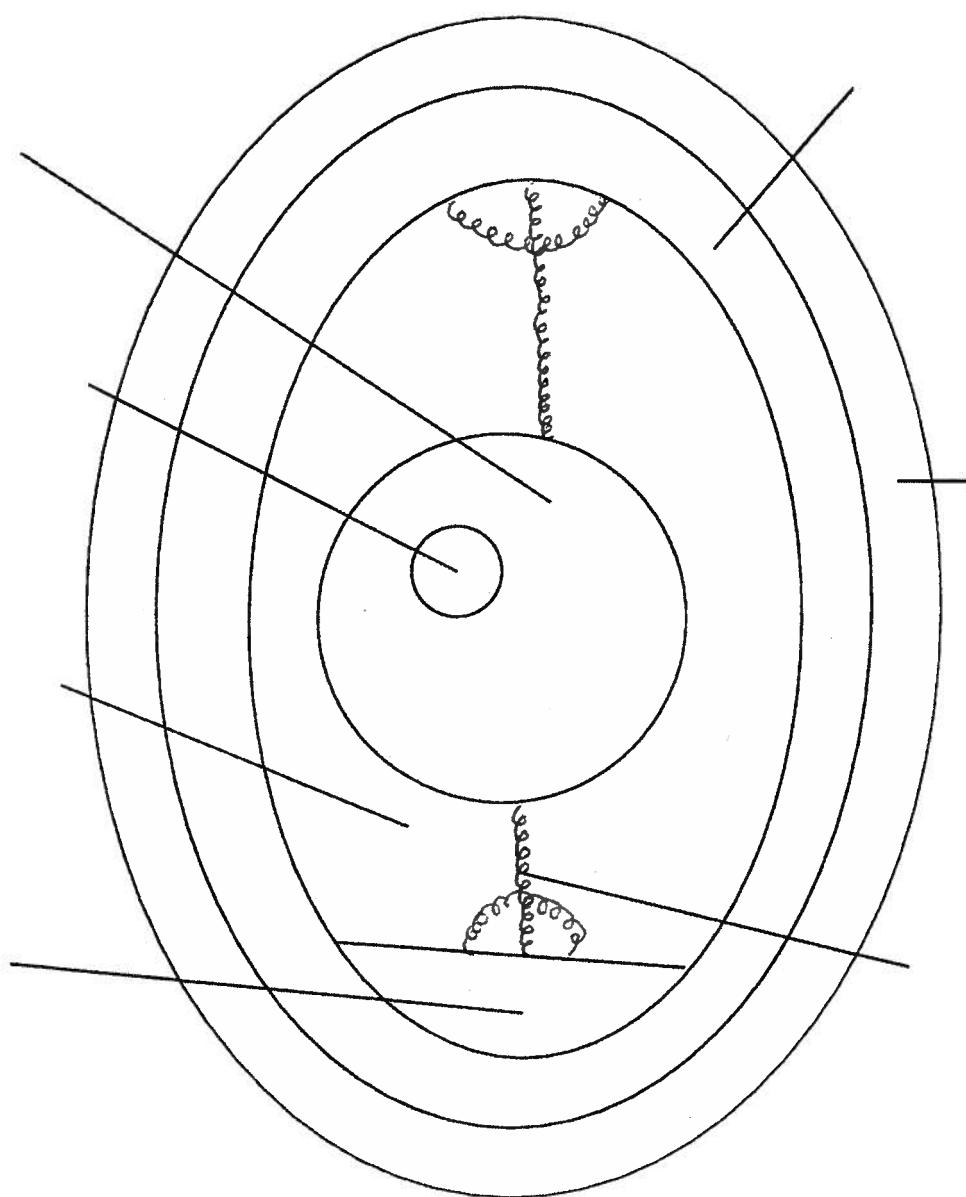
Poultry Skill-a-thon Study Guide

This packet contains study material for the annual skill-a-thon contest. Every member taking a livestock project is encouraged to look over this material. Not every skill-a-thon station is represented in this packet. Members are also encouraged to use other resources to study (ie. Online resources and livestock resource books). These packets are the members' to keep; they do not need returned to the Extension Office.

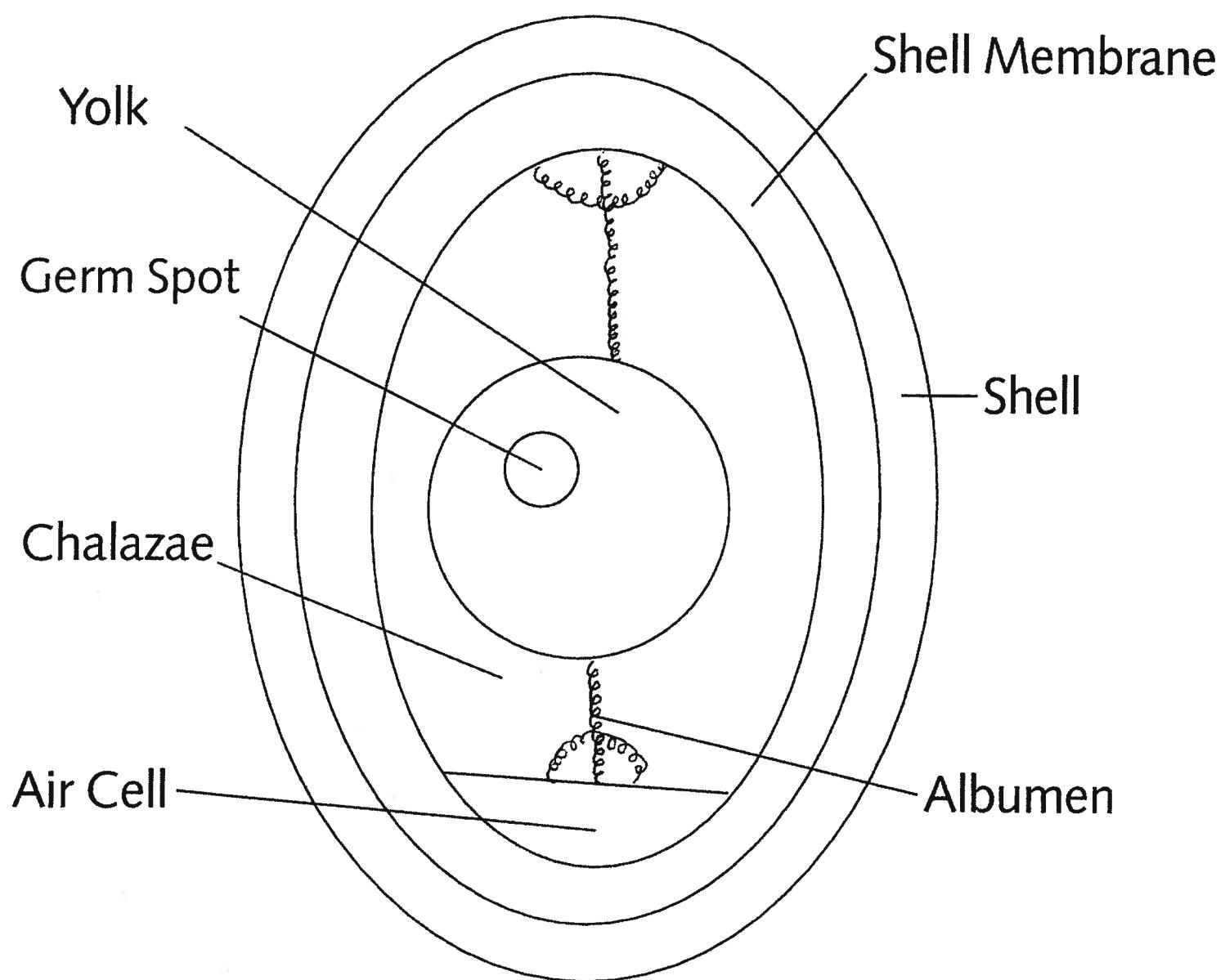
Feed samples are available upon request. (These will need returned to the Extension Office).

As always, if you have any questions please call the Extension Office at 419-354-9050.

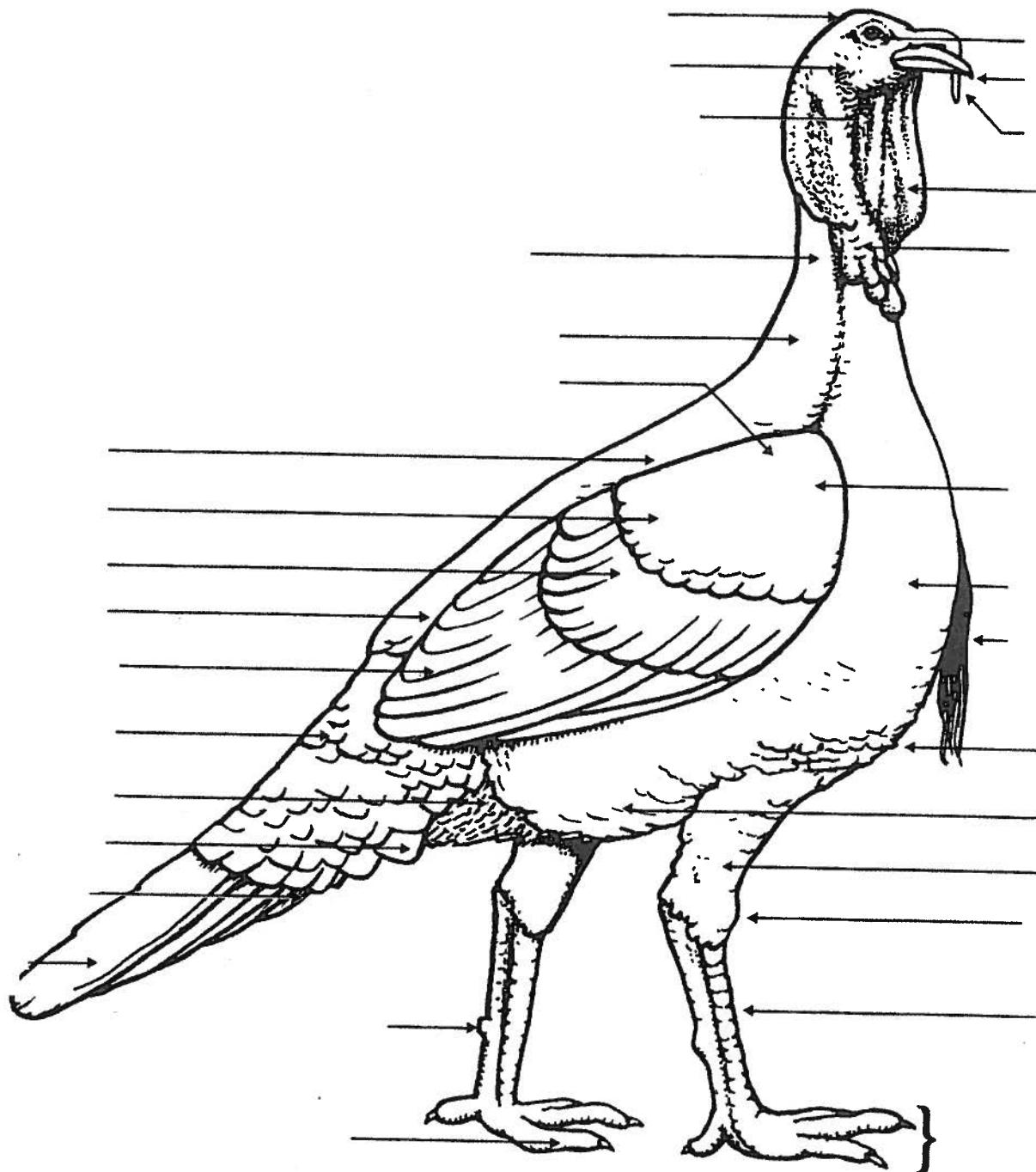
Parts of an Egg



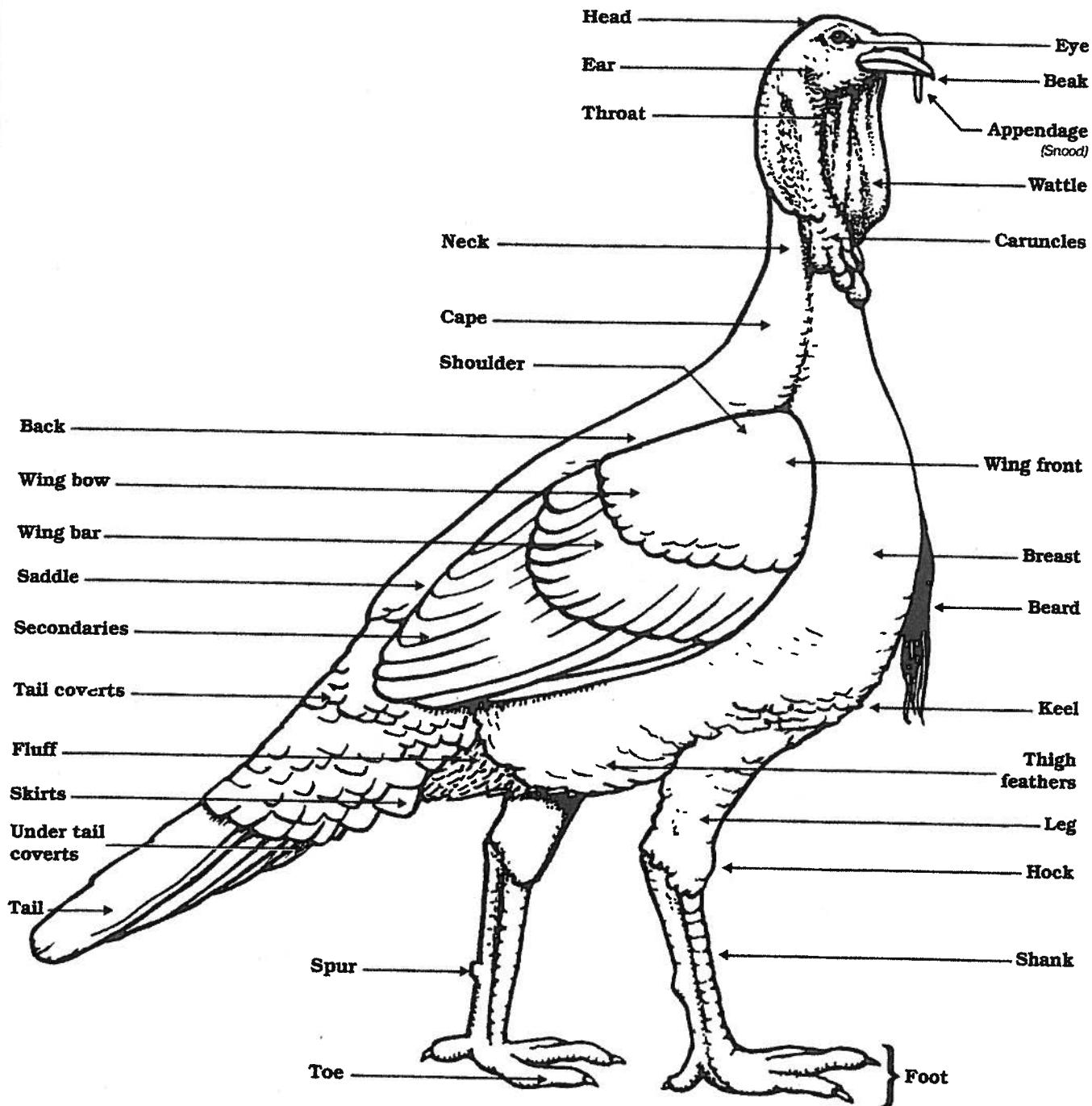
Parts of an Egg



Parts of a Turkey



Parts of a Turkey



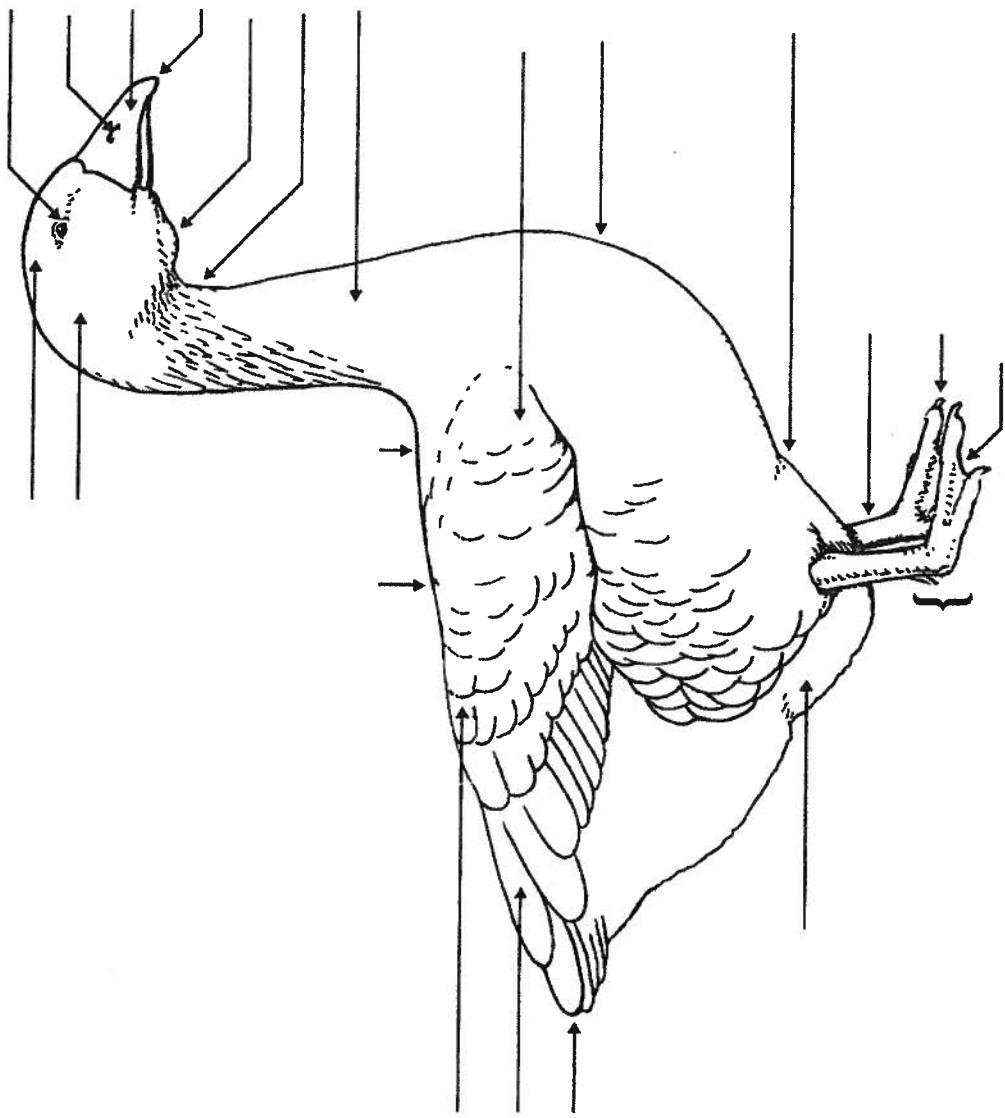
POULTRY

Animal Care and Production:
Youth Education Program

LEARNING LABORATORY KIT

Product distribution through the Curriculum Materials Service

Parts of a Goose



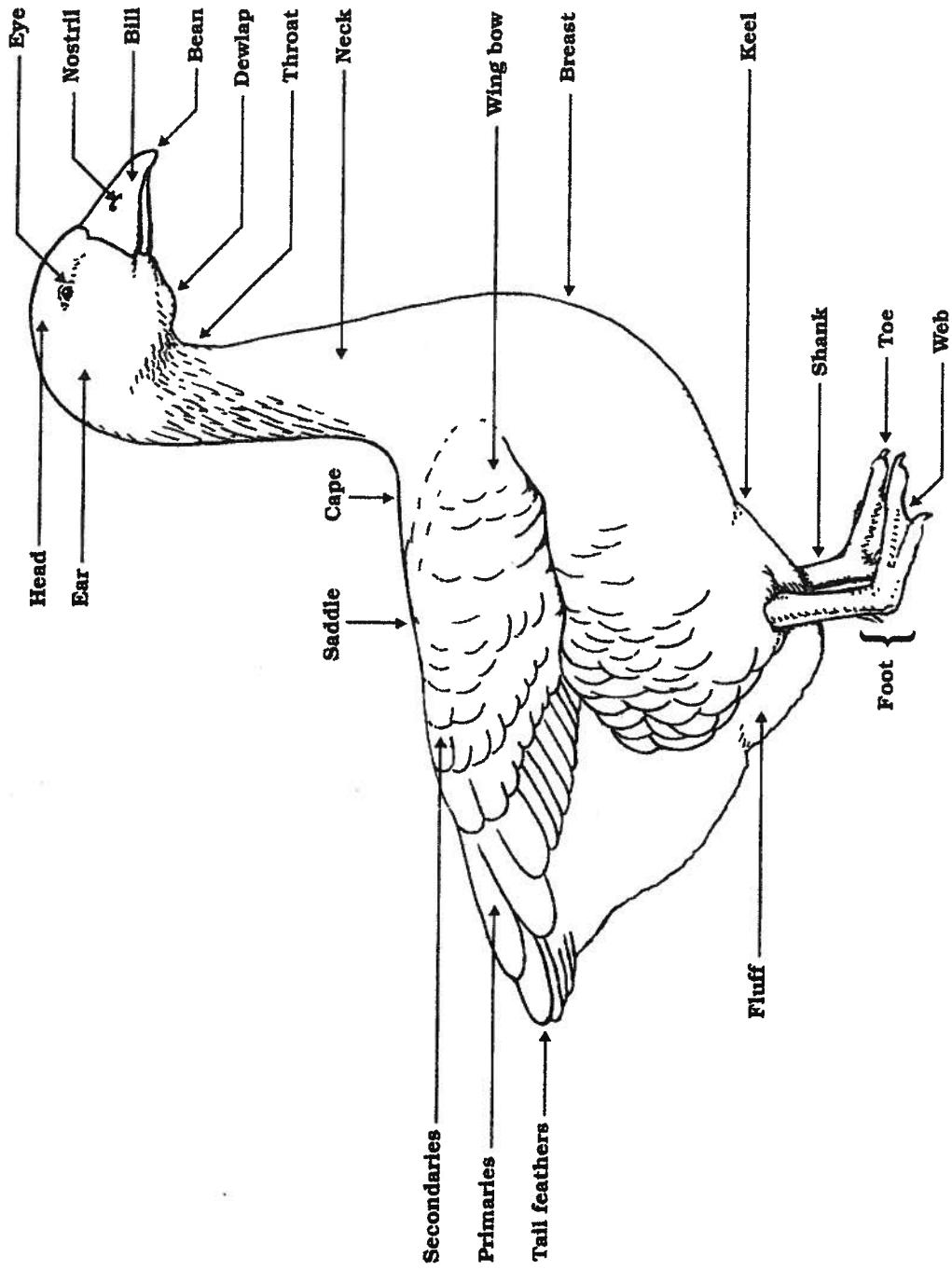
Animal Care and Production:
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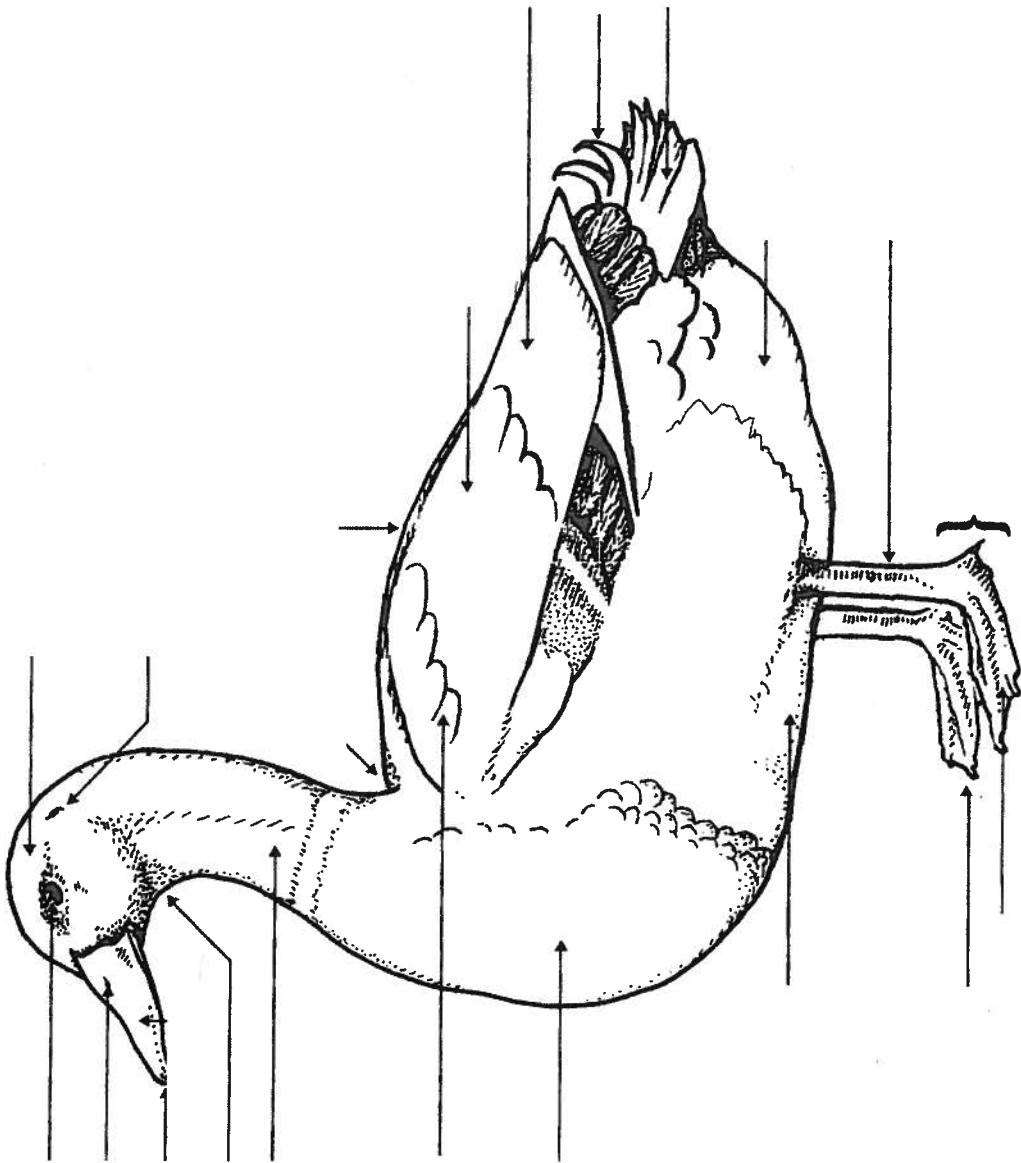
Product distribution through the Curriculum Materials Service

Parts of a Goose



Animal Care and Production:
Youth Education Program

Parts of a Duck

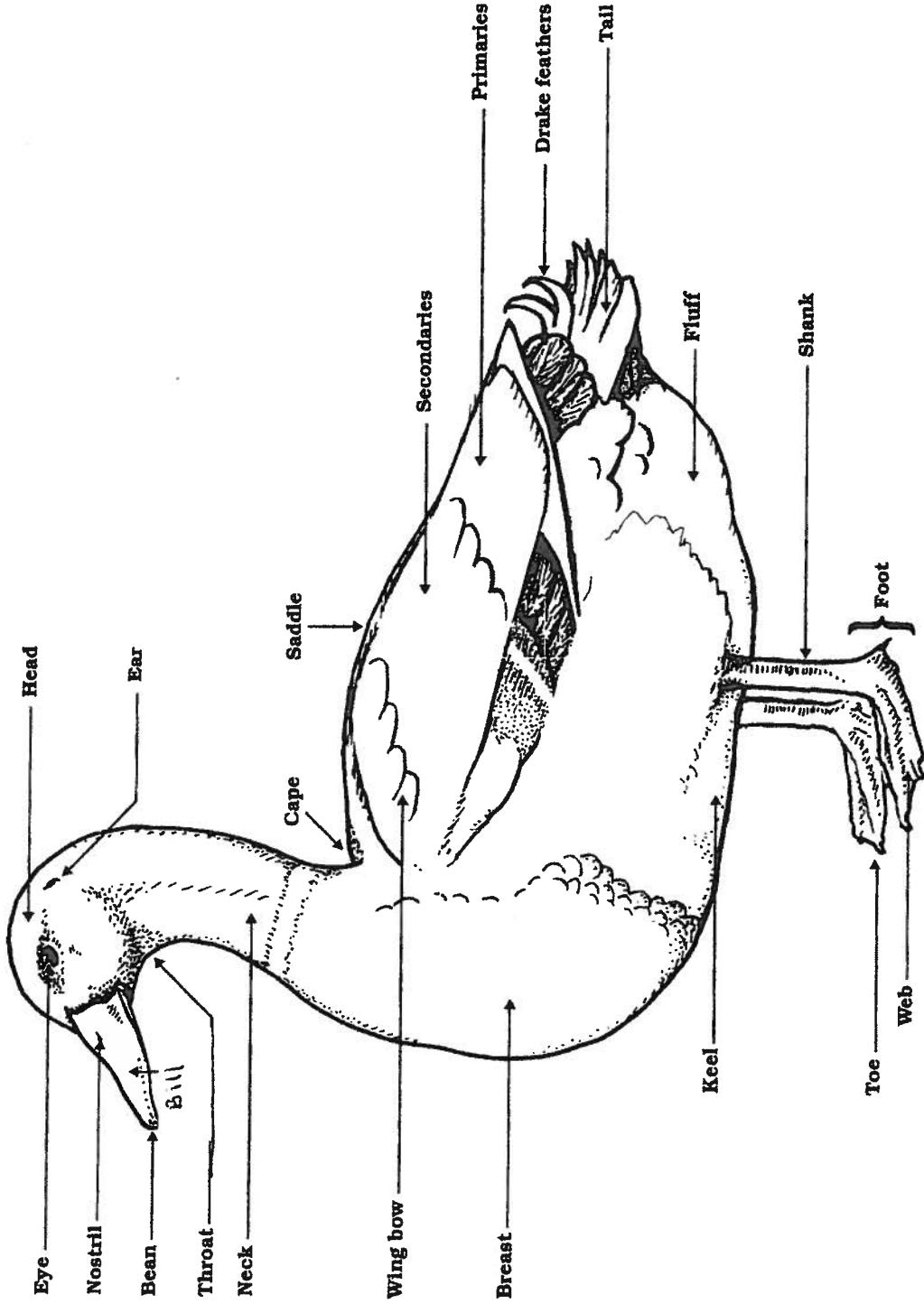


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Parts of a Duck

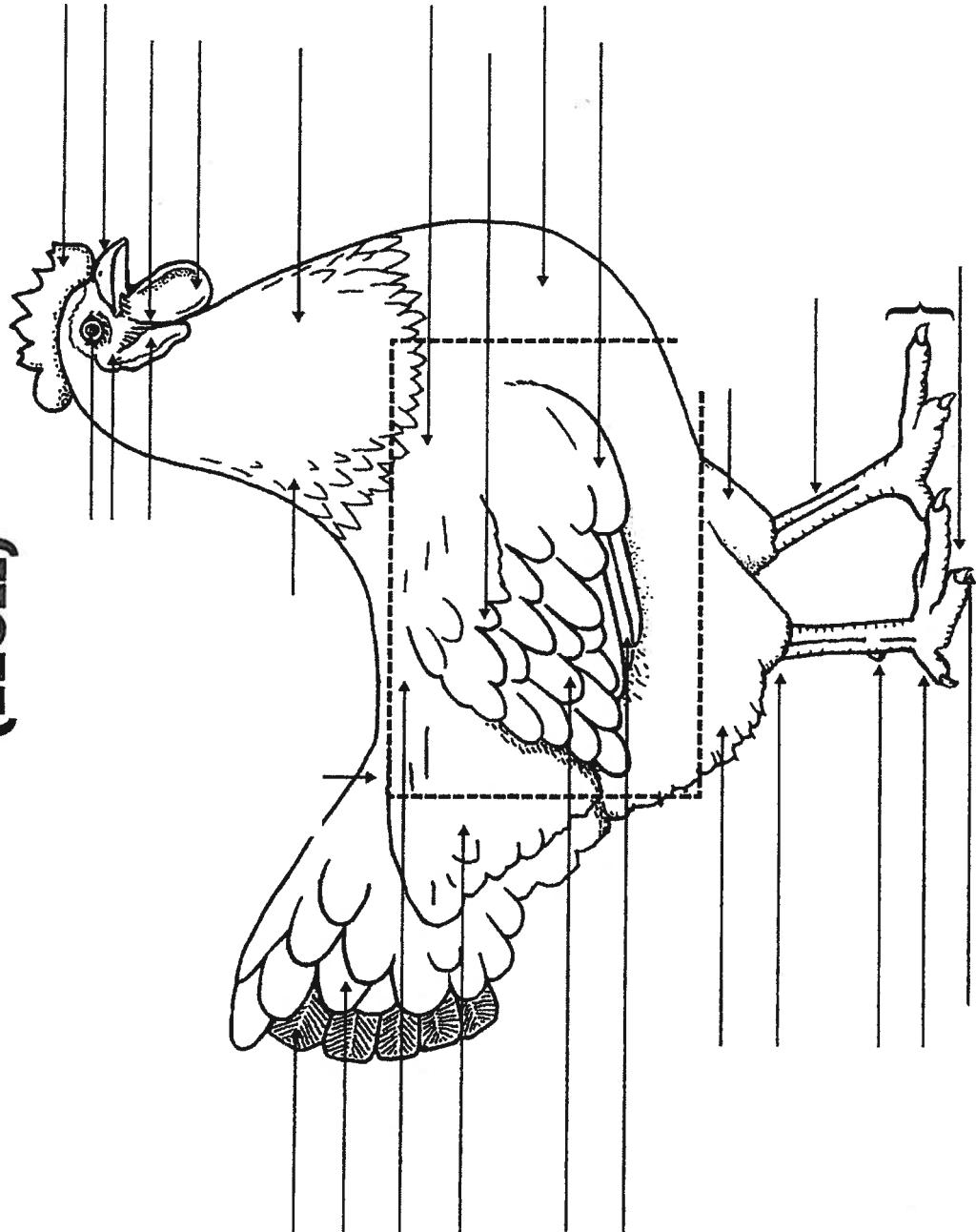


LEARNING LABORATORY KIT

Animal Care and Production:
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Parts of a Chicken (Hen)



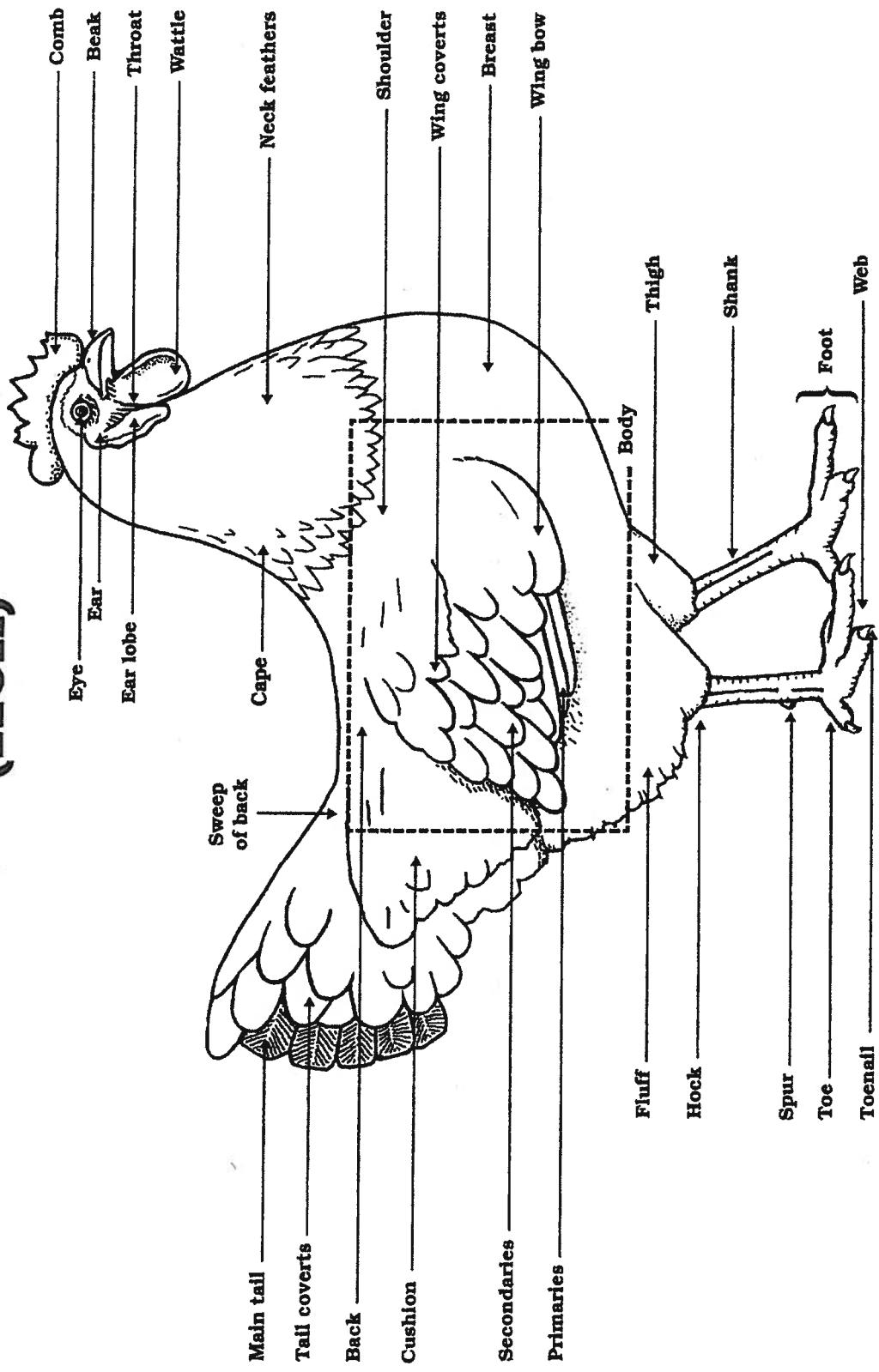
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LEARNING LABORATORY KIT

Parts of a Chicken (Hen)

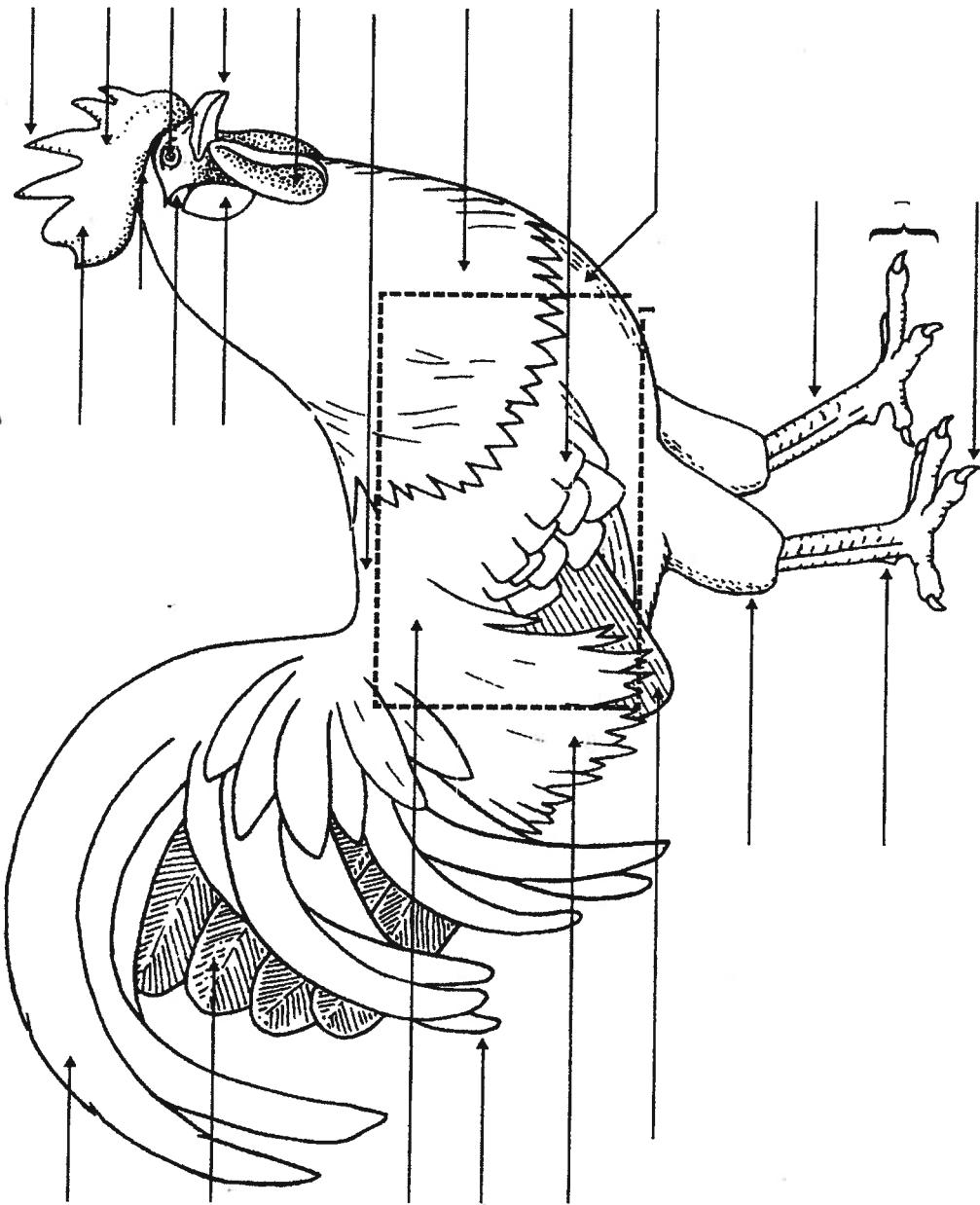


LEARNING LABORATORY KIT

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Parts of a Chicken (Cockerel)



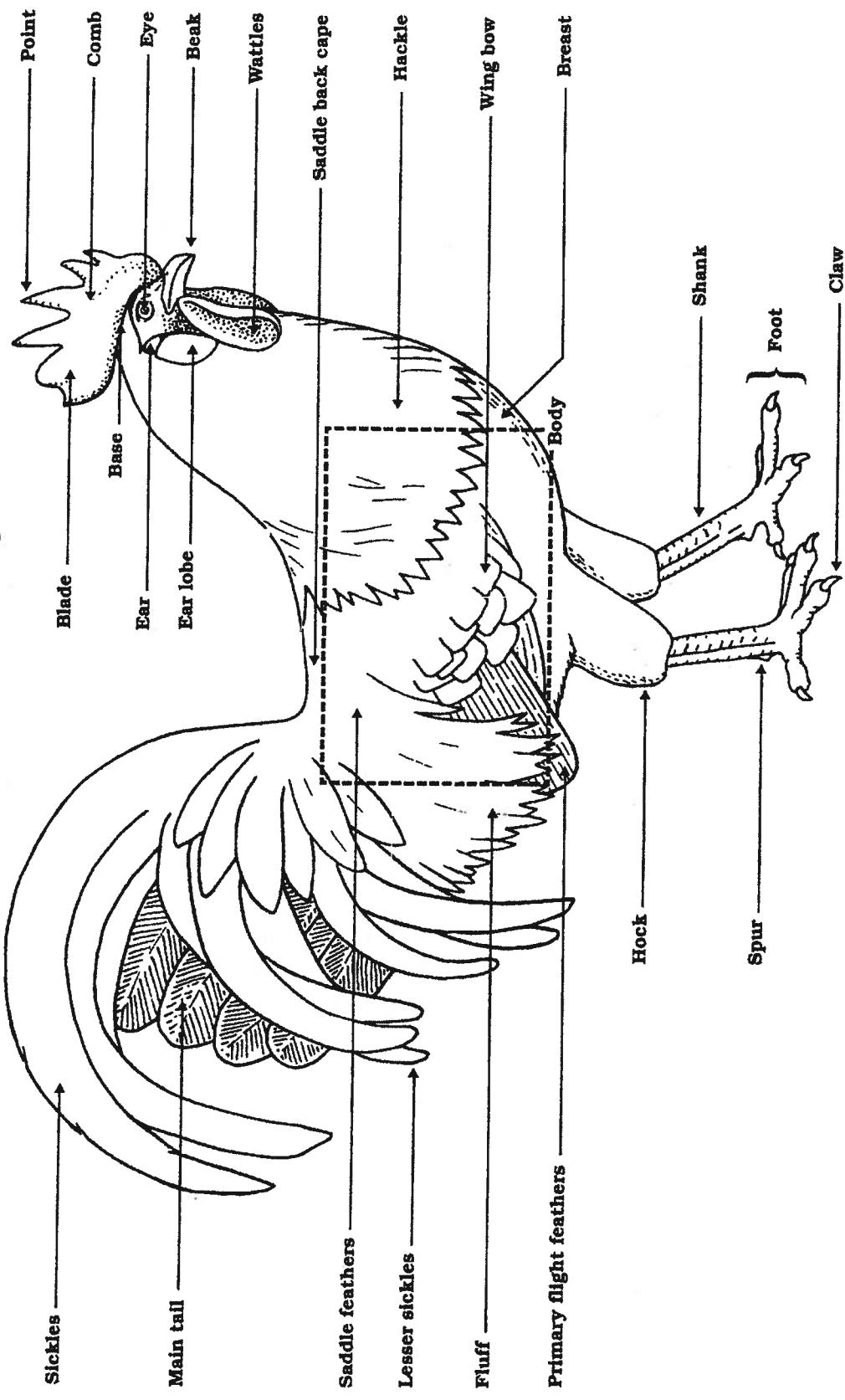
Animal Care and Production: Youth Education Program



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Parts of a Chicken (Cockerel)



LEARNING LABORATORY KIT

Animal Care and Production: Youth Education Program

Product distribution through the Curriculum Materials Service

Medication Label

Carramycin-152
(oxytetracycline HCl)

DIRECTIONS FOR USE:

See package indications and directions for use.

Warning: The use of this drug must be discontinued for 5 days before treated animals are slaughtered for food. Exceeding the highest recommended dosage level may result in antibiotic residues in meat beyond the withdrawal time.

Store below 77°F (25°C).

Keep dry and keep away from light.

Net contents: 4.78 oz. packet

Distributed by

Livestock Health, Inc.

Medication Label

*Trade
Name of Drug*

Carramycin-152
(oxytetracycline HCl)

*Active
Ingredients*

DIRECTIONS FOR USE:

See package indications and directions for use.

*Cautions
and Warnings*

Warning: The use of this drug must be discontinued for 5 days before treated animals are slaughtered for food. Exceeding the highest recommended dosage level may result in antibiotic residues in meat beyond the withdrawal time.

*Withholding
Times*

Storage

Store below 77°F (25°C).

Keep dry and keep away from light.

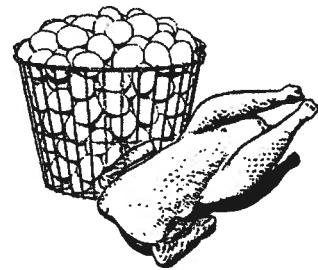
*Quantity
of Contents*

Net contents: 4.78 oz. packet

*Distributed by
Livestock Health, Inc.*

*Name of
Distributor*

Individual Egg Shell Evaluation



ANSWER KEY

- 1) Q:** What are the four grades of egg shells?
A:

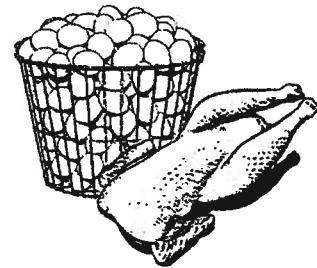
- 2) Q:** What six factors are used to grade egg exteriors?
A:

- 3) Q:** The presence of what factor automatically makes an egg a "B" grade?
A:

- 4) Q:** What two defects determine that an egg will receive a "dirty" grade?
A:

- 5) Q:** Name two types of body checks.
A:

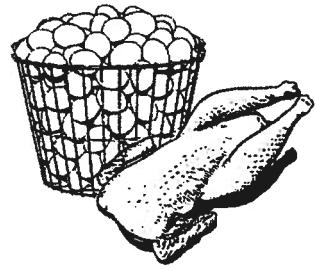
Individual Egg Shell Evaluation



ANSWER KEY

- 1) Q: What are the four grades of egg shells?
A: ***AA, A, B, and Dirty***
- 2) Q: What six factors are used to grade egg exteriors?
A: ***Stains, adhering foreign material, shell shape, shell texture, body checks, and shell thickness***
- 3) Q: The presence of what factor automatically makes an egg a "B" grade?
A: ***Adhering foreign material***
- 4) Q: What two defects determine that an egg will receive a "dirty" grade?
A: ***Adhering foreign material 1 mm or greater or prominent stains (localized stains covering more than 1/32 of the shell or moderately scattered stains covering more than 1/16 of the shell)***
- 5) Q: Name two types of body checks.
A: ***Ridges and calcified body checks***

Carton of Eggs Evaluation



ANSWER KEY

- 1) Q:** Name the three factors used to grade a carton of eggs.

A:

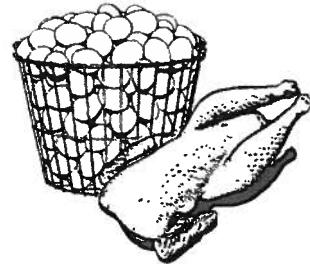
- 2) Q:** What is the difference between a checked egg and a cracked egg?

A:

- 3) Q:** What is a body check?

A:

Carton of Eggs Evaluation



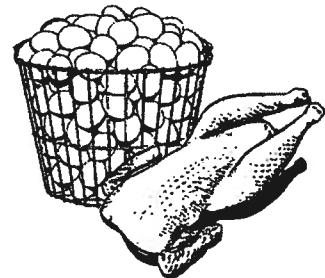
ANSWER KEY

- 1) Q: Name the three factors used to grade a carton of eggs.
A: **Soundness, cleanliness, and uniformity of size**

- 2) Q: What is the difference between a checked egg and a cracked egg?
A: **A checked egg has a cracked or broken shell with an intact membrane and no leakage; a cracked egg has a damaged membrane and leakage.**

- 3) Q: What is a body check?
A: **A body check is a ridge in the shell occurring when the egg is cracked while still inside the hen's body and then repaired by additional calcium deposits.**

Carcass Evaluation



ANSWER KEY

- 1) **Q:** Name three factors used to evaluate carcasses.

A:

- 2) **Q:** How much exposed flesh is permitted on a grade A carcass?

A:

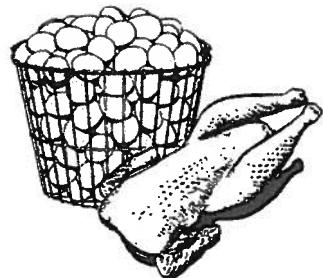
- 3) **Q:** What missing parts affect carcass evaluation?

A:

- 4) **Q:** How is a carcass graded if it has two disjointed bones?

A:

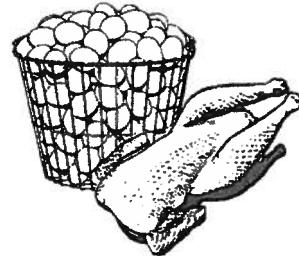
Carcass Evaluation



ANSWER KEY

- 1) Q: Name three factors used to evaluate carcasses.
A: *Exposed flesh, broken/disjointed bones and missing parts*
- 2) Q: How much exposed flesh is permitted on a grade A carcass?
A: *For a grade A, a maximum of 1 1/2" of exposed flesh is permitted on the back and wings of the carcass. An additional 1/3" receives a grade B, and anything beyond this receives a grade C.*
- 3) Q: What missing parts affect carcass evaluation?
A: *Missing wings, tail, back portions and occasionally legs*
- 4) Q: How is a carcass graded if it has two disjointed bones?
A: *A carcass with two disjointed bones, or one broken and one disjointed bone receives a grade B; a carcass with only one disjointed bone and no broken bones receives a grade A; a carcass with more than two disjointed bones, broken bones, and protruding bones receives a grade C.*

Interior Egg Evaluation



ANSWER KEY

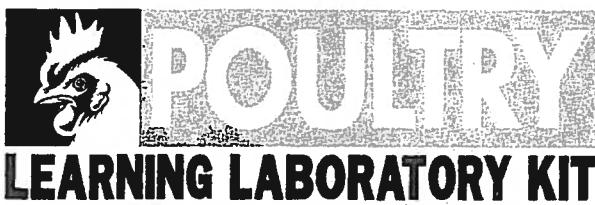
- 1) Q: What process is used to evaluate the interior of an egg?
A: **Candling: hold the egg up to a candling box, light outlines its contents.**

- 2) Q: What popular comparison is used when determining the size of an egg's air sac?
A: **The diameter of a dime, nickel and fifty-cent piece:**
Grade AA = Dime
Grade A = Nickel
Grade B = Fifty-cent piece

- 3) Q: What common defects help determine interior egg quality?
A: **Shadow spots (blood/meat spots) and defined lines or rings (blood)**

- 4) Q: Describe the characteristics of the yolk of a freshly laid egg.
A: **A fresh egg yolk is round and firm. The yolk will absorb water from the albumen and increase in size as it ages.**

- 5) Q: When candling an egg, is it desirable to have a clearly defined yolk outline?
A: **The yolk of an AA egg should have an outline that is indistinct when swirled from the surrounding albumen. The more distinguished the yolk outline becomes, the lower the egg is graded.**



Exploratory Learning:
Educational Program

Product distribution through the Curriculum Materials Service

Answer Key

- a. How many packs of soluble powder Caramycin-152 do you mix with two (2) gallons of water to make the stock solution?

You mix 2 packs of Caramycin-152 with 2 gallons of water.

- b. How much stock solution do you mix with one (1) gallon of drinking water?

You mix 1 ounce of stock solution with 1 gallon of water.

- c. How many packs of soluble powder Caramycin-152 must you purchase to treat your broilers for 10 days?

You must purchase 20 packs of Caramycin-152.

- d. How many ounces of stock solution will you use per day?

You will use 256 ounces of stock solution per day.

- e. How many milligrams of oxytetracycline will each broiler receive?

Each broiler will receive 64 mg.

- f. What is the first day your broilers can safely be sold for food?

June 23, XXXX - 5 days after the treated drinking water was last given on June 18th.

Caramycin-152

(oxytetracycline HCl as soluble powder)

For control and treatment of specific disease in poultry, cattle, swine, and sheep.

CAREFULLY READ ALL DIRECTIONS BEFORE USING THIS PRODUCT.
Soluble Powder for Use in Drinking Water Only.

Active Ingredients: Caramycin-152 is a broad-spectrum antibiotic. This 4.78 oz packet contains 102.4 grams oxytetracycline HCl (after mixing with clean, fresh water - 512 gallons containing 200 mg oxytetracycline HCl per gallon; 256 gallons containing 400 mg oxytetracycline HCl per gallon; 128 gallons containing 800 mg oxytetracycline HCl per gallon).

Indications: For control of poultry diseases caused by organisms susceptible to oxytetracycline.

Recommended Dosage

Add the following amount to two (2) gallons of fresh, clean water to make the stock solution. Mix one (1) ounce of stock solution per one (1) gallon of drinking water.

Packs/2 Gallons	Dosage	Stock Solution
Chickens	Infectious synovitis Chronic respiratory disease Fowl cholera	200mg/gal 800mg/gal 800mg/gal
Turkeys	Infectious synovitis Hexamitiasis	400mg/gal 200mg/gal
		1/2 1/2

Cautions: 1. Caramycin-152 is for use in flock drinking water only. 2. Medicate continuously at the first clinical signs of disease and continue for 7 to 14 consecutive days. If improvement is not noted within 24 to 48 hours, consult a veterinarian or diagnostic laboratory to determine diagnosis and advice on dosage. 3. Use as sole source of oxytetracycline. Do not use for more than 14 consecutive days in chickens and turkeys or five (5) consecutive days in cattle, sheep, or swine. 4. Caramycin-152 is to be stored below 77° F (25° C). 5. The concentration of drug required in medicated water must be adequate to compensate for variations in age of the animal, feed consumption rate, and the environmental temperature and humidity - each of which affects water consumption.

Warning: Do not administer to chickens, turkeys, swine, cattle, or sheep within five (5) days of slaughter. Do not administer to chickens or turkeys producing eggs for human consumption.

How Supplied: Caramycin-152 soluble powder is available in packets of 4.78 oz.

Livestock Drug - Not For Human Use
Distributed by
Livestock Health, Inc.
KEEP OUT OF CHILDREN'S REACH
TAKE THE
OBSERVE LABEL
DIRECTIONS



Exploratory Learning: Educational Program