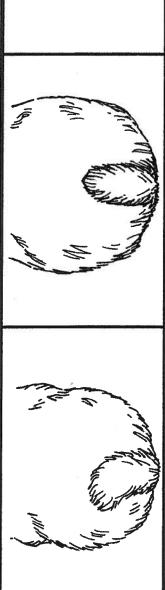
#### Rabbits Skill-a-thon Study Guide

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).

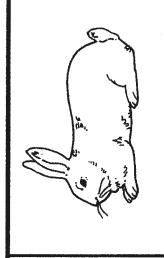
As always, if you have any questions please call the Extension Office at 419-354-9050.

# Rabbit Conformation (Tails/Ears)

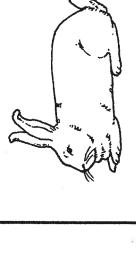












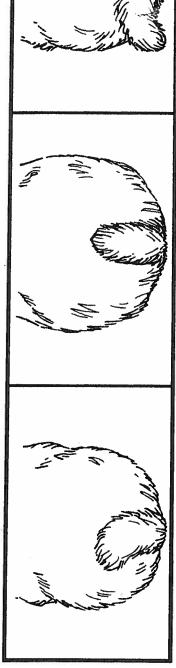


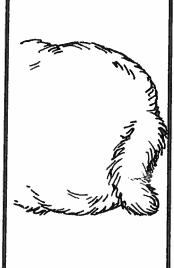
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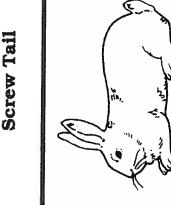
## Rabbit Conformation (Tails/Ears)

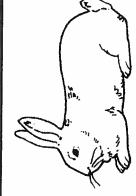


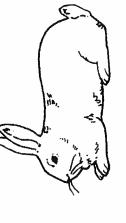












Ideal Ears

Open-Carried Ears

Belled Ears



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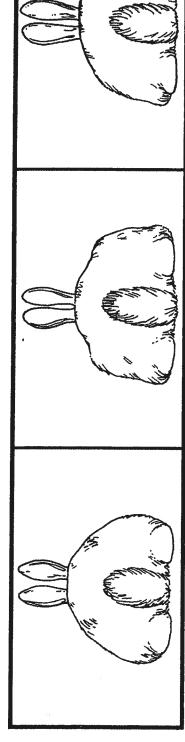
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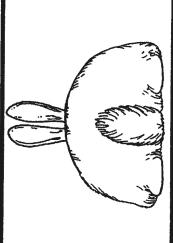
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Side-Carried Tail

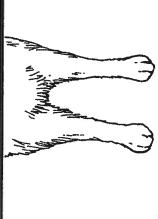
**Ideal Tail** 

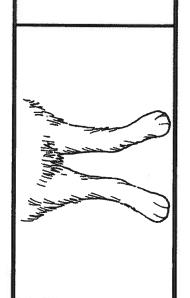
# Rabbit Conformation (Hips/Legs)









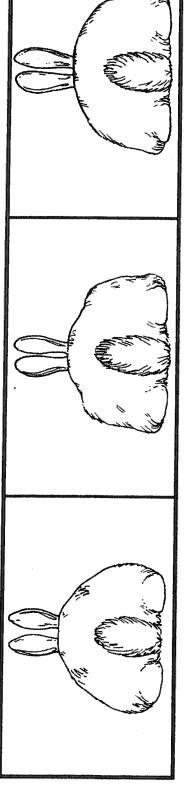


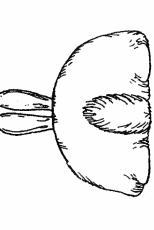


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# Rabbit Conformation (Hips/Legs)

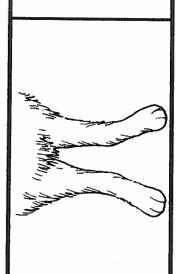




Ideal Hips

Rough Hips

Not Enough Rise



Inward-Bowed Legs

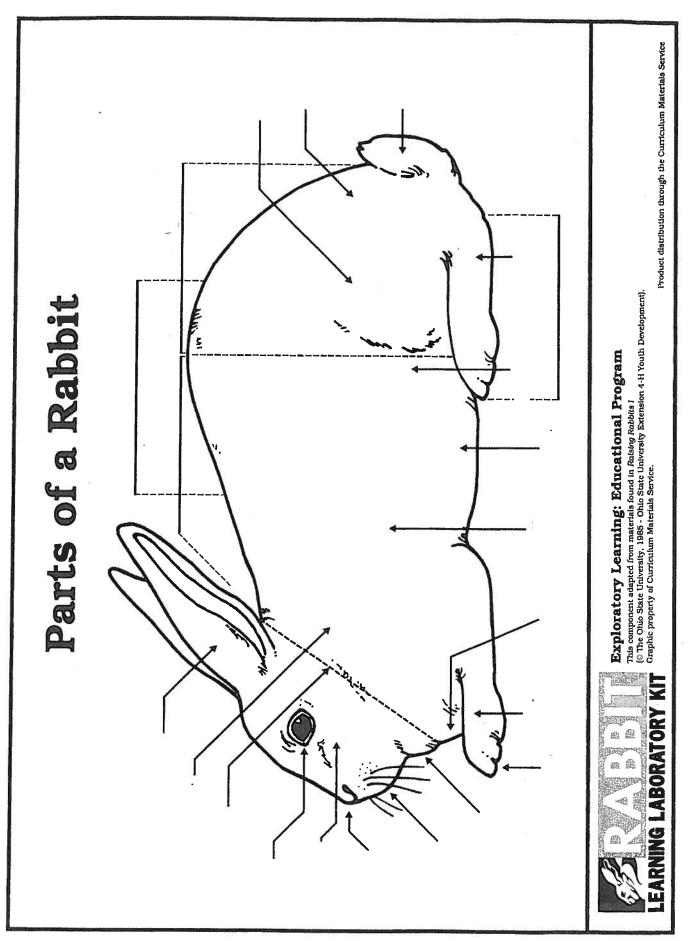
Outward-Bowed Legs

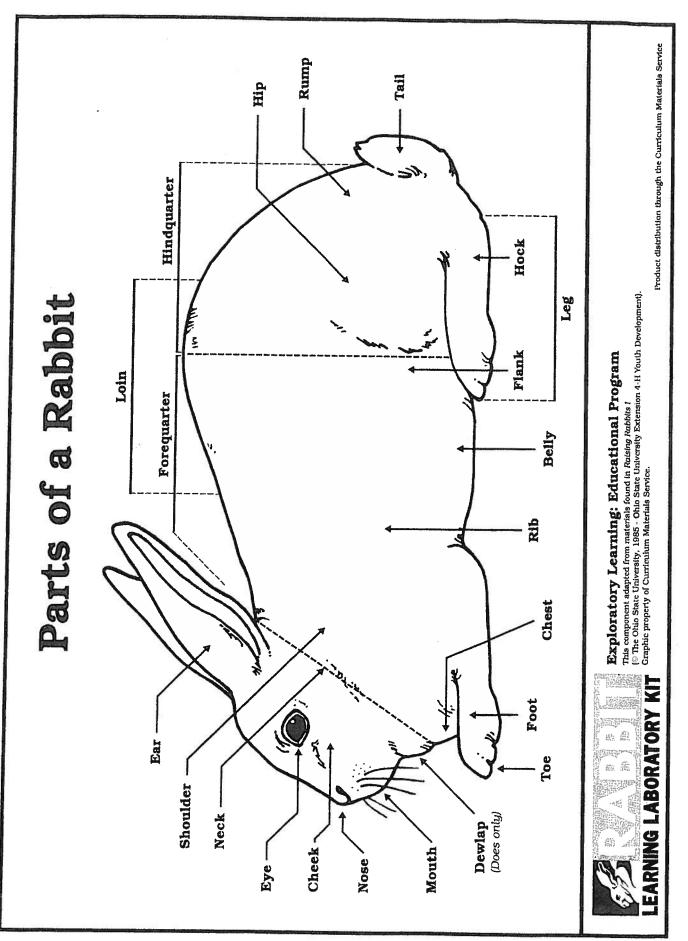
Ideal Legs



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Rabbit Skillathon

## **Rabbit Breeding and Reproduction Questions**

Always take the to the cage when breeding.
The process of determining if a doe is pregnant by feeling for developing babies in the uterus is called
The average gestation period for rabbits is about days.
The birth process for rabbits is called
Removing young rabbits from the mother is called
Newborn rabbits are called
Mating unrelated rabbits from different lines is
Mating rabbits that are closely related is called
Mating rabbits of different breeds is called
Mating rabbits that are descendants of the same rabbit several

Rabbit Skillathon

## **Rabbit Breeding and Reproduction Questions**

Always take the doe to the buck's cage when breeding.

The process of determining if a doe is pregnant by feeling for developing babies in the uterus is called <u>palpation</u>.

The average gestation period for rabbits is about 31 days.

The birth process for rabbits is called kindling.

Removing young rabbits from the mother is called weaning.

Newborn rabbits are called kits.

Mating unrelated rabbits from different lines is outcrossing.

Mating rabbits that are closely related is called inbreeding.

Mating rabbits of different breeds is called crossbreeding.

Mating rabbits that are descendants of the same rabbit several generations back is <u>linebreeding</u>.

Rabbit Skillathon

Breeding and Reproduction

### Senior Rabbit Skillathon Genetics and Breeding

ach cell in the rabbit haschromosomes.
are the basic units of heredity.
refers to a rabbit's actual appearance.
refers to the genetic make up of the rabbit.
genes are symbolized by a capital letter and effer to characteristics that always show up in a F1 offspring.
genes are hidden and are written with lower ase letters.
he term agouti refers to the of color on he hair shaft.
is the mating of rabbits that are closely elated.
is the mating of unrelated rabbits from lifferent lines within the same breed.
is the mating of rabbits that are escendents of the same rabbit, but are related several enerations back.

Rabbit Skillathon

Genetics

### Senior Rabbit Skillathon Genetics and Breeding

Each cell in the rabbit has 44 chromosomes.

Genes are the basic units of heredity.

Phenotype refers to a rabbit's actual appearance.

Genotype refers to the genetic make up of the rabbit.

<u>Dominant</u> genes are symbolized by a capital letter and refer to characteristics that always show up in a F1 offspring.

Recessive genes are hidden and are written with lower case letters.

The term agouti refers to the <u>rings or bands</u> of color on the hair shaft.

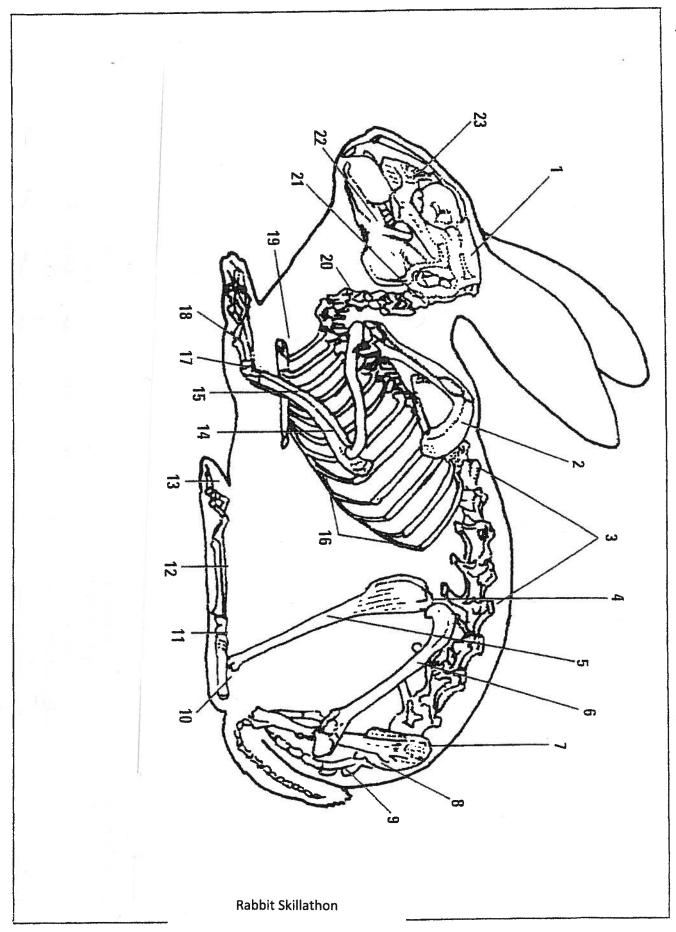
<u>Inbreeding</u> is the mating of rabbits that are closely related.

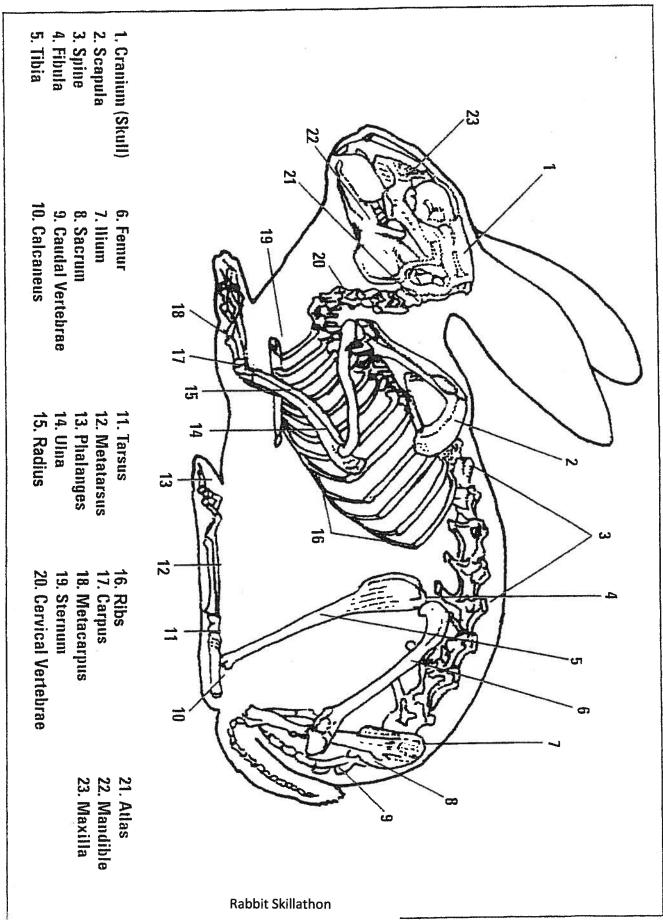
Outcrossing is the mating of unrelated rabbits from different lines within the same breed.

<u>Linebreeding</u> is the mating of rabbits that are descendents of the same rabbit, but are related several generations back.

Rabbit Skillathon

Genetics







## Selection and Evaluation Faults and Disqualifications

### Disqualification



#### **Unmatched Toenails**

Colored toenail on a white breed - or -

White toenail on a darkcolored breed

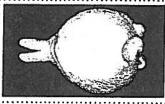


#### Fault



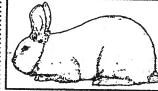
#### Stained Coat

Urine and/or manure stains on fur



#### Wry Tail

Abnomal tail - bent. carried, or twisted permanently to one side Corkscrew tail with one or more turns



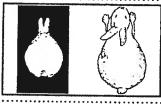
#### Low in Shoulders

Shoulder depth is lacking and fails to balance with the hindquarters



#### Ear Canker

Inflamed, scabby condition deep inside the ear - caused by an infection of the ear canal by ear mites



#### Narrow in Shoulders

Shoulder width is "pinched" and fails to balance with the hindquarters



#### Malocclusion

Teeth with lower incisors extending in front of the upper incisors or meeting with no overlap



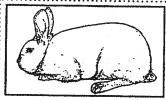
#### Stray Hairs

White hairs in colored fur



#### Wry Neck

Carriage of the head to one side at an angular plane, instead of a normal carriage in a vertical plane



#### Cow-Hocked

Hind legs that turn inward at the hocks, causing the toes to turn outward from the body



#### Foreign Color Patch

White spot in colored area of the fur coat - OT -Colored spot in white area of the fur coat



#### Molt

Act of shedding or changing fur

Rabbit Skillathon

### Ailments and Disorders



Sore Books (Literative Pededermaints)

Cause: Damage initially to the pad of the foot, usually followed by a bacterial infection

followed by a bacterial brietter reversition: House rabbits in clean cages on soft, clean, dry bedding Ethipsase revitorumentally streasful conditions the realing boards Cull affected animals and do not use for breeding common treatment:

Preparation H

Citems seres/restors, trim toeralls, and apply topical
substantial or protective covering
Nealing is often probaged/complicated by secondary
bacterial infections.



The same of the sa

Cause: Ear mittes ··· Psoroptes cantouli and/or Charioptes canical! transmitted from infected animals or environment to noninfected rabbits

Prevention:

\* Cardully examine the cars of all stock every 14 days

\* Cardully examine all new serivals and treat twice before
placing in dean herd feature.

\* Common treatment:

\* Mineral -or- Vegetable Od

\* Treat, familiarly with of based inscribed preparation

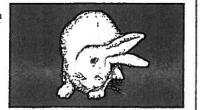
> Clean off exudate and massage: 1 to 2 mi of Equid into
each ear exam with a cotton swab

> Repeat treatment in 7 days to climinate newly hatched
makes

miles
> -or- Treat with injectable ivermeetin



on treatments





Weepy Byc (Staphylococcosts)

Cause: Bectarial Infection . Stephylococus menu and/or Pastawallo mattorials approach by humans and contaminated food, foces, cages, and/or bedding Prevention:

\* Apply rigid sentiation methods

\* Eliminstic churp or atmative surfaces

\* Use cican ferd and bedding

\* Reduce animal stress

\* Monitor animals

Common treatment:

Common treatment:

Terrespoke

> Detected early, treat with ophthelmic antibiotic camment

> Advanced cases here been breated with antibiotics via injection or drinking water

Smuffles (infectious Resultators Disease)

revenueurs

A Ather to etrict smillston and husberstry standards

i insure good ventilation

i Föllow strict culling procedures

Commont treatment:

Terramyste, Banti mycin, -or- Bayirli Trus at first symptom of allocal Trus with authoritic via draining water or stytenou





Matige (Sampti: Mange or Acaricula)

Canner Miles — Common fur mitter Cheyleriella parasituorux, and/or Lishophorus gibbus or burrowing mitter Scropelae sendiel and/or Neurodener call spread by direct conduct with infected bost Prawentiam:

w Introduce only clean stock toto clean premises a Separat, quaractiwe, and treat byfected animals until free of infectation:

on treatment:

Common treatment:
Bothon-an Scrim

Minor infratations, dust animals with insecticide

Major infratations, dip all animals in the colony in a
mailst-lon dip

Coasilary perform dipping where animals may dry in a
source and nontripical esotronment

Vent Disease

(Venereal Spirochetasis or Treponomatosis)
Cause: Besterial Infection Treponemo curriculi
transmitted by direct contact, especially during mating Prevention:

PREVENUE breeding bucks and does routinely for lesions
- treat affected bridyduals at once
- Cull carries
- Malmain a closed irreding herd
- Treat and quaractive new stock

Common treatment:

Pendellin G

Treal with injectable and biotic

Treal with injectable and biotic

Increased phosbibility of enterobaemia, from penicillin exposure must be constidered





Wound Locarotions and/or Abrostorus

WOUNDE, Licerolium and/or Abrasional
Cause: Injuries, biles, and coratches - Bites and
scratches from other activals and/or injuries from poor
housing and erroussmental conditions
Prevention

\* Maintain rabbity equipment and facilities

\* Address after sonitation and intabandry standards to
proven risk of infection

present risk of injection
Common treatment:
Blood-Stop

Minor bigny use stypis powder to stop bleeding

Mistor luny chan, disinfect, druss, and apply
pressure to incression or abruston to help stop bleeding

Enterotaxemia (Clospidiai Enterotaxemia)

ral rout:

Taysaution:

Implement rigid savilation and husbandry standards

Use copper auliate or Laciobocitus preparations

Change diet alongr

Feed aufläctent liber

Feed auflicient liber bennoon treatment; Blesol Change the diet: increase fiber and decrease protein Maintain hody temperature Neopyclis treatments have uncertain benefita





## Myzomatosis

any AUTUMETORIS

CRESSE: Virus - Magazina sens: a DNA virus of the posvirus faridy transmitted by mosquitors mitrs. firs.
ficas. birds forepringly and/or plant materials.
Preventions
A Control vectors prosquitors, files. and feest by spraying and
according.

screening

\* Korp wild rubbits away from facilities

\* Adher to strict husbandry standards

Common treatment:

NO treatment exists

There is NO treatment for this attracts/disorder

Eliminate all blang insects from rubbitry

immediate removal of affected animals is expeud

Ringworm (Dermatophytasts)
Camer Pungal infection -- Trichophyton Camer Frangal Intection ... Triceprison
mentiographics and/or Microsporum counts transmitted
easily by direct contact with apores on hair cost, in
bedding, said/or soil
Prevention:

\* Maintain high standards of artimal husbandry

\* Ecomine unimals routinely

\* Cull carriers

\* Steribe contaminated facilities and equipment

Commons 1 and month

n treatment:

Coccidionis [Intestinal Coccidionis]

Indise authorisks apply medication to skin ordinary lodine or an extensivible form in water soluble form

Common trushammer
Sulfin Q

> Best prevented and/or controlled through rigid
sortiation practices

> Treat infected artimals with medication containing
sulfaquinosaline or momenain as a feed additive or in
source-soluble form







VHD (Viral Hemorrhanic Disease)

Cause: Virus Persons indection of Organions custodes transmitted by direct contact with some Cause: Virus Perucute infection of Chychologue carticulus transmitted by dured contact with secretions or exerctions of infected rabbits, or indirectly via acrossel exposure to continentiated rabbit products

Prevention:

Scient VIID feer stock

Adher to sartet husbandry practices

Quarantine new arrivals prior to hend/colony entry

Conduct screbgic secreting

Common treatment:

NO scalefactory treatment crists

> Short-term protection is provided from a vaccine that lasts only 6 to 8 months

> Bit-yearly vaccination is recommended in epiderale





Malocciusion (Mandibular Prograthians) Cause: Inherited abnormality - Inherited condition in which the incisors full to meet and thus, gow to extreme longths, may also result from dictury, infectious (abscesses), or traumatic reasons

■ Do not allow arounds affected with this attracted acres to

Treatment > Treatment of tooth overgrowth involves repeated filting or anwing with a sharp obsper or dental hurr > Removal of affected teeth

WARNING: Before any condition is treated, medications not approved (labeled) for use in rabbits or cavies must e prescribed by a licensed veterinarian familiar with the care and treatment of rabbits and cavies.

RabbtSkilla hon