



Wabash County 4-H Swine Worksheet

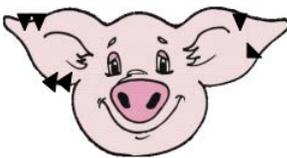
Grade 3

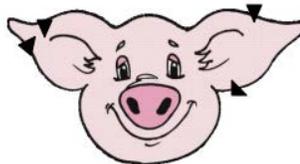


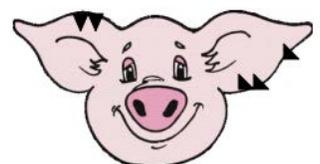
Name: _____ 4-H Club: _____

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R

1. Chapter 3 discusses how to select your pig to exhibit at the fair. It is very important to select pigs that will be the right weight and size by fair time. Expect the average growth rate for a feeder pig to be _____ pounds daily gain.
2. In chapter 4, pork muscle quality is discussed. Fresh port should be _____ in color.
3. Proper nutrition for your pig is reviewed in chapter 8. Water is the largest component of the pig's body. How often should water be provided to your pig? _____
4. How much water does a pig need to drink for every pound of feed it eats? _____
5. When reading a feed tag, the main ingredients are listed first. In the sample tag on page 8- what is the main ingredient in the feed? _____
6. How many days prior to slaughter should this feed be removed? _____
7. Chapter 9 discusses diseases and their control. When do outbreaks of Swine Flu most often occur? _____
8. List two symptoms of swine flu.
 - a. _____
 - b. _____
9. Chapter 10 deals with ear notching. Ear notching is the most common method for permanent pig identification. The right ear is used for the _____. The left ear is used to show _____.
10. Referring to page 10-2 in your manual, identify ear notch numbers for the pictures below:







11. Chapter 11 talks about space requirements. Your animal requires adequate space, What three things should you provide for optimal performance?

a. _____

b. _____

c. _____

12. In Chapter 12, you will learn about showing your animal. How soon before the swine show should you begin taking your animal out on daily walks? _____

13. When driving your pigs, do not _____ or _____ them.

14. Which direction should you brush your pig? _____

15. List three things you need to do the day of the show.

a. _____

b. _____

c. _____

16. Chapter 24 discusses caring for your animals. Once your animal arrives and is in your care, what is an important first step? _____

17. Be sure your animal is receiving nutrition it needs in relation to its _____, _____, and purpose.

Please answer the general questions below.

18. Why did you select this project? _____

19. What type of housing did you provide your animals? _____

20. In 4-H project pigs, a female is called a _____ and a male is called a _____.



Wabash County 4-H Swine Worksheet

Grade 4



Name: _____ 4-H Club: _____

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R

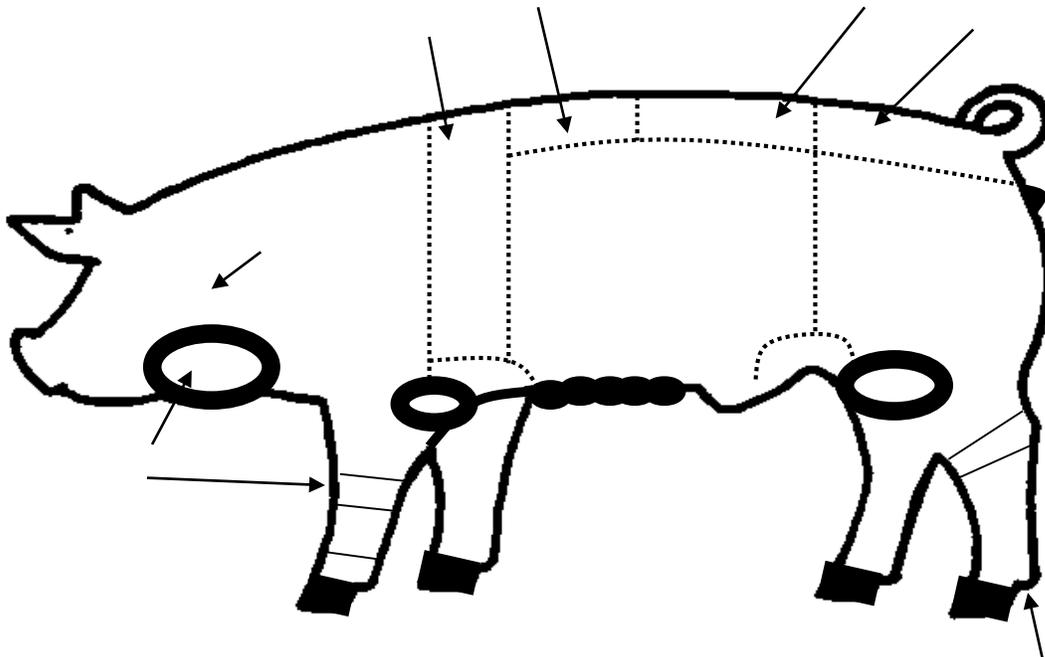
1. Referring to the chart in Chapter 3, label the part of the following parts of the pig:

NECK
LOIN

FORERIB
RUMP

KNEE
DEWCRAW

BACK
JOWL



2. In chapter 4, pork quality is discussed. What is marbling? _____

3. Why is marbling desirable in meat? _____

4. Chapter 8 talks about nutrition. Nutrients are supplied to animals in the food materials we provide them. These are known as _____.

5. For pigs, feedstuffs usually include _____, soybean oil meal, _____ and _____.

_____.

6. In chapter 12, you will learn about showing your pig. When showing your animal, always keep the animal between _____ and the _____.
7. When the judge approaches for close inspection, assist him by _____ from the front end.
8. List the three acceptable areas to “tap” you pig:
- a. _____
- b. _____
- c. _____
9. Proper training of your animal for the show ring should only include techniques that offer no risk or injury or pain to the animal. Aggressive use of the cane or whip may cause _____.
10. What is the only way to achieve that polished, confident look in the show ring?

11. Chapter 14 deals with working safely with swine. Animals are extremely sensitive to _____ and are easily frightened or spooked.
12. Good facilities provide a means of controlling animals while allowing easy access for routine chores. To help prevent accidents, keep walk and work surfaces properly _____ and clear of _____ and _____.
13. Chapter 24 discusses caring for animals. Training animals and acquainting yourself with them needs to begin at an early age or as soon as you acquire your animal. You should spend time with your animal _____.
14. As you work with your animal, you both develop _____ and become accustomed to each other’s movements.
15. Match the Pillar of Character to its description.

- | | |
|-----------------------|--|
| _____ Trustworthiness | a. treat others as you want them to treat you |
| _____ Respect | b. . do your best, be a good example |
| _____ Responsibility | c. being committed to the welfare of your community |
| _____ Fairness | d. being honest, standing for what is right |
| _____ Caring | e. judge people on their merits or good things they do |
| _____ Citizenship | f. use the same rules or standards for everyone |

 **Wabash County 4-H Swine Worksheet** 
Grade 5

Name: _____ 4-H Club: _____

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R

1. List three characteristics you need to consider for project selection as found in chapter 3:

- a. _____
- b. _____
- c. _____

2. Several diseases are discussed in chapter 9.
List two infection diseases common to swine:

- a. _____ b. _____

List two internal parasites common in swine:

- a. _____ b. _____

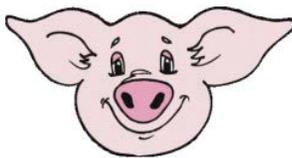
List two external parasites common in swine:

- a. _____ b. _____

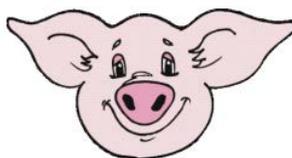
3. Look in Chapter 9 and find a parasite or disease. What disease or parasite did you choose?

Explain how you would treat or manage the disease or parasite?

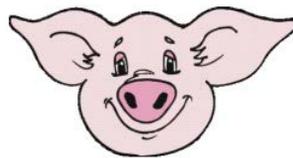
4. Refer to page 10-2 in your manual to notch the ears for the pigs below to match the corresponding litter mark and individual pig mark.



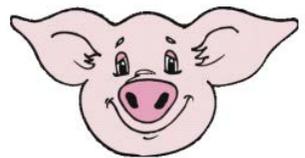
14-6



3-4



82-2



12-7

5. Chapter 11 is about space requirements for your hog. Pen shape is important because pigs “toilet train” better in _____ pens. The best design for a pen is at least _____ as long as it is wide.
6. From chapter 11, list four reasons from why animal waste (manure) must be managed:
- a. _____
 - b. _____
 - c. _____
 - d. _____
7. In chapter 12 you will learn about showing your pig at the fair. Bringing your animal to the fairgrounds causes them to be stressed. After arrival, you should water and rest your pig for about _____ hours before feeding it.

If the weather is hot, use a _____ to help keep your pig cool.

While exhibiting at the county fair, remember that many people will be looking at your project. Not only is this good practice to help your animals, it may also be the first or only impression someone may have of 4-H or agriculture. List three things you should do for your pig while at the fair:

- a. _____
 - b. _____
 - c. _____
8. Chapter 14 deals with working safely with swine. Swine are generally color blind and have poor depth perception. This results in extreme sensitivity to contrast, which may cause the animal to balk at _____ or _____ from light to dark. Allow time for their senses to get acclimated (used to) the new _____.

9. Refer to the list on page 24-5. List 4 things on the list that you are already doing.

- a. _____
- b. _____
- c. _____
- d. _____

10. List two things you want to improve in your care of your animal:

- a. _____
- b. _____



Wabash County 4-H Swine Worksheet

Grade 6



Name: _____ 4-H Club: _____

Answers to these questions can be found in the “Swine Resource Handbook” 4-H 134 R

1. Characteristics you should look for in your project pig are listed in chapter 3. Match the characteristic to its description.

___ CONFORMATION

___ MUSCLE

___ FAT

___ STRUCTURE

___ CAPACITY

___ BALANCE

a. Proportion of body parts

b. Pork industry’s number one enemy

c. Basic body design

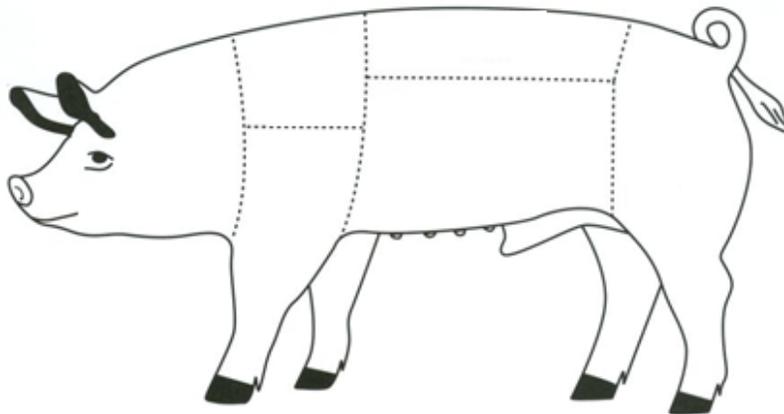
d. General body shape of the pig as determined by its skeleton and muscles

e. Ideal pattern is long, thick and smooth.

f. Important for maintaining health, intake of feed, and adequate reproductive volume

2. Chapter 5 talks about pork products and how pigs contribute to the Consumer Market. Label the picture below with the main or “wholesale” cuts of pork that come from a market pig.

HAM PICNIC BELLY LOIN BUTT



3. In chapter 6, the nutritional value of pork is discussed. What is the leanest pork cut choice, as lean as skinless chicken breast? _____

4. List the five categories of nutrients essential to swine as discussed in chapter 8:
 - a. _____
 - b. _____
 - c. _____
 - d. _____
 - e. _____
5. Chapter 9 discusses diseases. The chronic disease _____ is estimated to infect 90% or more of swine herds in the Midwestern United States.
6. In chapter 12 you will learn about showing your pig. What are three things you can do if the temperature is high and your hogs are really hot at the fair?
 - a. _____
 - b. _____
 - c. _____
7. Chapter 13 deals with selling your project animal. If you sell your animal in the auction, regardless of the amount you receive, you should always write and send a _____ the buyer.
8. In chapter 15, selection of breeding stock is discussed. A breed or line of swine that have been selected for a specific purpose over a period of time is a _____.
9. _____ is mating animals from different breeds or lines.
10. The crossbred female is the basis for more than _____ of commercial swine produced in the United States.

Answer the general questions below.

11. What did you feed your project animal? _____
12. Reading the feed tag, what are the two main ingredients in your feed? _____

13. How did you provide minerals and vitamins to your animal? _____



Wabash County 4-H Swine Worksheet

Grade 7



Name: _____ 4-H Club: _____

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R

1. When selecting a project pig, what are characteristics you should look for as discussed in chapter 3? _____

2. How is muscle structure best observed? _____

3. Why is structural soundness important? _____

4. Chapter 5 discusses how pork products are used. Hogs are powerful medicine! Tens of thousands of hog heart valves have been successfully implanted in humans. When was the first hog heart valve operation? _____
5. List 10 by-products of swine: 1. _____ 2. _____
3. _____ 4. _____ 5. _____
6. _____ 7. _____ 8. _____
9. _____ 10. _____
6. Chapter 8 talks about nutrition for your pig. List three reasons why water is the most essential nutrient.
 - a. _____
 - b. _____
 - c. _____

7. Wet feeding is commonly known as _____ your pigs. When wet feeding, it is important that it does not sit as it can _____ .
8. In chapter 9 you will learn about diseases and their control. How are internal parasites usually acquired? _____
9. How are internal parasites controlled for the swine herd? _____
10. What are the most common external parasites of swine? _____
11. What is a sign that a pig has an external parasite? _____

12. Chapter 11 deals with space requirements. List three things that determine a pig's environmental needs.
- a. _____
- b. _____
- c. _____

Answer the general questions below from your experience.

13. Raising pigs can be expensive. Estimate some of the costs of raising your project pig.

Feed _____

Vet/Medical _____

Housing & bedding _____

Show equipment _____

14. Explain how you lower the annual cost of raising your project pig.



Wabash County 4-H Swine Worksheet

Grade 8



Name: _____ 4-H Club: _____

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R

1. Chapter 3 discusses selection of your project pig. Why is body capacity important?

2. In chapter 4 quality is discussed. Why should producers avoid stress positive and stress carrier hogs? _____

3. List the four characteristics desired in high quality pork.
 - a. _____
 - b. _____
 - c. _____
 - d. _____

4. In chapter 5 you will learn about pork products. Explain how hogs serve essential medical needs in humans. _____

5. Match the industrial by-product with the pig part that it is made from, you may use each answer more than once.

_____ Bone China	_____ Insulation	a. Blood
_____ Cement	_____ Linoleum	b. Bones & Skin
_____ Chalk	_____ Protein Source	c. Bone Meal
_____ Cosmetics	_____ Soap	d. Dried Bones
_____ Fabric Dye	_____ Upholstery	e. Fatty Acids & Glycerin
_____ Gloves	_____ Water Filters	f. Hair

6. Chapter 11 deals with space requirements and housing your animal. List two negative things that can happen when soils containing manure nutrients move into water.

7. Chapter 14 discusses working safety with swine. Livestock with young can be defensive and difficult. How should you handle these animals?

8. Chapter 24 deals with caring for animals. List 5 responsibilities of the 4-H member regarding caring for your project pig.

a. _____

b. _____

c. _____

d. _____

e. _____

9. How is your animal identified? _____

10. Why is identification of your project pig important?

11. Referring to the Injection Reference Chart on pages 24-8 and 24-9, match the injection type with its description.

____ Intramuscular (IM)

a. deposits drug under the skin

____ Subcutaneous (SQ)

b. Should only be used by a veterinary

____ Intraperitoneal (IP)

c. deposits drug into the muscle

12. What information should be recorded when you give medication to your animal?

13. List some skills gained you have gained by showing animals in 4-H.

 **Wabash County 4-H Swine Worksheet** 
Grade 9

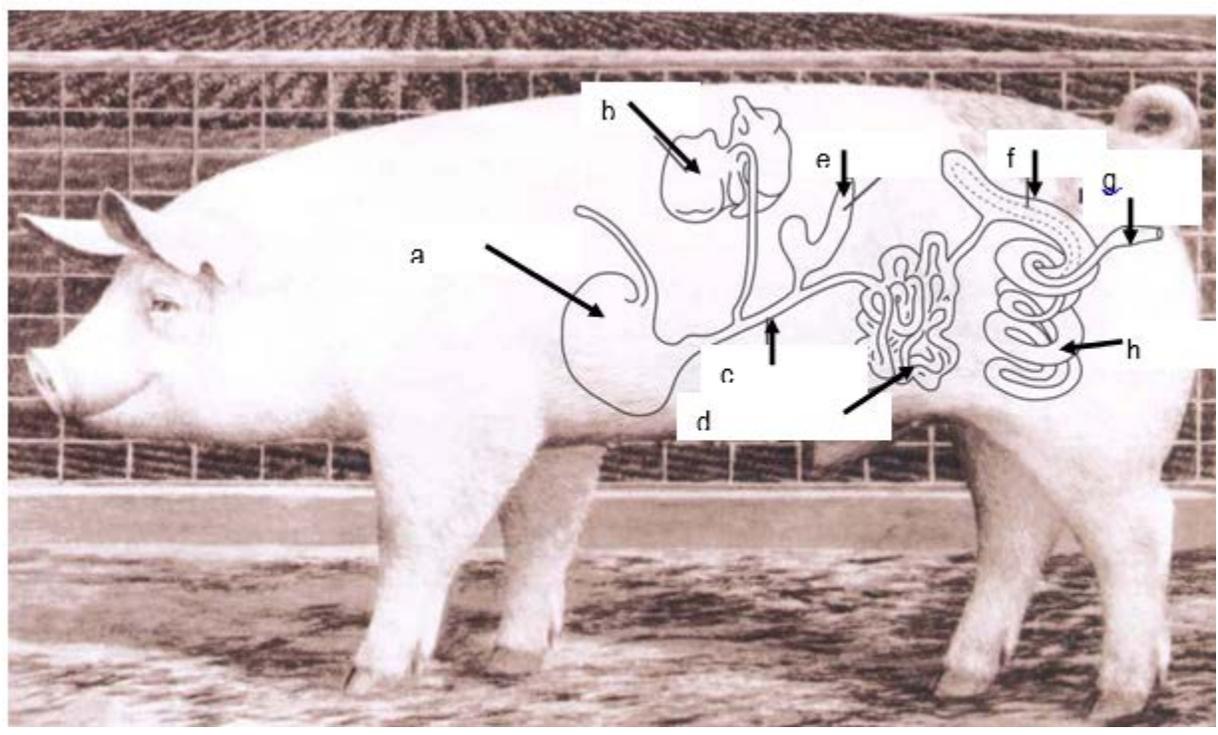
Name: _____ 4-H Club: _____

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R

1. In chapter 6, you will learn about the nutritional value of pork. How does pork compare to other meats for fat, calories and cholesterol?

2. Chapter 7 discusses the digestive system of swine. Write the letter next the word that corresponds to the correct digestive tract placement.

- | | | | |
|-------------|--------------|--------------|---------------------|
| ___ STOMACH | ___ LIVER | ___ PANCREAS | ___ COLON |
| ___ CECUM | ___ DUODENUM | ___ RECTUM | ___ SMALL INTESTINE |



3. In chapter 8 nutrition is discussed. What are carbohydrates and fats important in a pig's diet?

4. Match the following swine diseases with their descriptions as discussed in chapter 9.

- _____ 1. Anemia
- _____ 2. Ileitis
- _____ 3. Mycoplasma Pneumonia
- _____ 4. Parvovirus
- _____ 5. Salmonellosis
- _____ 6. Swine Influenza

- a. Pigs have a dry, nonproductive cough that is most noticeable after exercise.
- b. Virus that causes a short but severe respiratory disease episode.
- c. Bacterial infection that leads to septicemia and pneumonia.
- d. Iron deficiency, pale skin and unthrifty appearance.
- e. Infection causing reproductive failure.
- f. Bacteria infect the intestinal tract causing it to become thickened and diarrhea.

5 Refer to the Pillar of Character on page 24-21. List one pillar and describe how you will practice that pillar during this 4-H year.

6. Chapter 25 talks about careers in animal science. What are the four major areas of animal science careers? _____

7. If you were going into a career in the swine industry, what would you choose to do and why?

Answer the following questions based on your experiences.

8. On average, how many hours per week have you spent with your animal? _____

9. List any health problems and/or medications & vaccinations given to your animal.

Health Problem/Vaccinations	Treatment	Date

10. When considering the cost of raising your animal and your expected income from the sale of that animal, what is your projected income or loss for this animal? _____



Wabash County 4-H Swine Worksheet

Grade 10



Name: _____ 4-H Club: _____

Answers to these questions can be found in the “Swine Resource Handbook” 4-H 134 R

1. Chapter 4 discusses pork quality. Every market hog should have its carcass evaluated for what four important traits?

- a. _____
- b. _____
- c. _____
- d. _____

2. What primarily determines the value of a market hog at slaughter?

3. In chapter 8, you will learn about the different nutrition groups your pig needs. Write the correct nutrient group beside each feed ingredient.

A. Energy B. Protein C. Mineral D. Vitamin E. Water

_____ Whole Grain Oats	_____ Vitamin Pre-Mix	_____ Bone Meal
_____ Corn Gluten Meal	_____ Milo	_____ H2O
_____ Blood Meal	_____ Soybean Hulls	_____ White Salt

4. Chapter 12 talks about showing your 4-H pig. What are some concerns for the producer regarding clipping a pig prior to showing?

In addition, how could clipping affect the hog?

5. Proper show ring ethics are important. During your time in the show ring at the fair, you are representing yourself, your family, the 4-H program and the entire livestock industry. What can you do to be sure you are being represented in a positive way?

6. Chapter 17 discusses genetics. Genetics are important because they help determine how an animal will perform under different types of management and environmental situations. Name four traits influenced by genetics that are economically important to swine herds. _____

7. You might be asked questions at the fair from someone who does not know anything about pigs. In chapter 23, you will learn about dealing with the public regarding your project animal. Name two ways to deal with questions from an interested citizen.

- a. _____
- b. _____

8. Chapter 24 discusses caring for your animals. What two records should you keep from the day you acquire your pig until the day it leaves your care?

9. Why should you keep these records?

10. Answer the following question based on your experience with your animal.

11. Raising swine can be expensive. List your actual or estimated expenses below.

Cost of Animal _____

Feed Costs _____

Vet/Medical fees _____

Housing /bedding _____

Breeding fees _____

Transportation fees _____

Show Equipment _____

Registration fees _____

Other _____

TOTAL EXPENSES _____

INCOME FROM SALE OF ANIMAL _____

INCOME OR LOSS \$ _____



Wabash County 4-H Swine Worksheet

Grade 11



Name: _____ 4-H Club: _____

Answers to these questions can be found in the "Swine Resource Handbook" 4-H 134 R

1. Chapter 3 discusses how to select a pig. What are five points to consider in appraising muscling in a hog?

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____

2. In chapter 5 you will learn about how pork by-products play a vital role in maintaining and improving the quality of human life. Match the pharmaceutical by-product to the animal organ it is derived from.

- | | |
|----------------------------|--------------------|
| ___ Cortisone | a. Adrenal Glands |
| ___ Estrogens | b. Blood |
| ___ Heparin | c. Intestines |
| ___ Insulin | d. Ovaries |
| ___ Oxytocin | e. Pancreas Gland |
| ___ Pepsin | f. Pituitary Gland |
| ___ Plasmin | g. Skin |
| ___ Porcine Burn Dressings | h. Stomach |
| ___ Thyroxin | i. Thyroid Gland |

3. Chapter 15 deals with breeding. The success of a swine project is based on the soundness of the sow herd. What does the word "soundness" mean?

4. What are the three areas of particular concern in evaluating soundness of a sow?

5. Chapter 20 talks about caring for a sow during farrowing and lactation. What is the goal of a swine breeding project?

6. What are some of the ways this goal can be attained? _____

7. Now that your sow had provided you with a large healthy litter, Referring to chapter 21, what are the six steps that may be involved in processing the piglet?

- a. _____
- b. _____
- c. _____
- d. _____
- e. _____
- f. _____

8. What is tail docking? _____

9. Why is tail docking important? _____

10. When should tail docking be done? _____

11. After reviewing chapter 24, list some of the benefits you have gained from showing an animal.

12. Provide an example of what you consider an unethical practice in the show ring. Explain how you would handle the situation if you witnessed this happening. _____

Purdue University is an equal access/equal opportunity institution.



Wabash County 4-H Swine Worksheet



Grade 12

Name: _____ 4-H Club: _____

The questions on this year's worksheet are to encourage you to set goals and reflect upon what you learned during your 4-H tenure. As you answer the questions, think about what you learned in 4-H and what you would like to get out of your final year in the swine project. Your worksheet grade will be based upon how completely and thoughtfully you answer each question.

1. When you turn in this worksheet, include a picture of yourself with your favorite swine.
2. What are your goals for the swine project this year?

3. What steps will you take to meet your goals?

4. In what ways have you mentored younger 4-H members in the swine project?

5. How has your experience in the swine project help you to become a better leader and/or citizen?

6. Describe some skills you have learned through participation in the 4-H swine project.
