

Student's Name \_\_\_\_\_

<b>Directions:</b>	Evaluate the trainee using the rating scale below and check the appropriate number to indicate the degree of competency achieved. The numerical ratings of 3, 2, 1, and 0 are not intended to represent the traditional school grading system of A, B, C, D, and F. The descriptions associated with each of the numbers focus on level of student performance for each of the tasks listed below.
<b>Rating Scale:</b>	<b>0 - No Exposure</b> - no information nor practice provided during training program, complete training required. <b>1 - Exposure Only</b> - general information provided with no practice time, close supervision needed and additional training required. <b>2 - Moderately Skilled</b> - has performed independently during training program, limited additional training may be required. <b>3 - Skilled</b> - can perform independently with no additional training.

1. Number of Competencies Evaluated	_____
2. Number of Competencies Rated 2 or 3	_____
3. Percent of Competencies Attained (2/1)	_____
_____	_____
Grade	
_____	_____
Instructor Signature	Date

**01.0 Introduction to Animal Science**

The student will be able to:

0 1 2 3

- 01.01 Name the types of livestock and their uses
- 01.02 Discuss animal production in the United States
- 01.03 Discuss animal production in Idaho
- 01.04 Describe reasons against and for using livestock as a food source
- 01.05 Identify the current employment available in the livestock industry

**02.0 The Organisms**

The student will be able to:

0 1 2 3

- 02.01 Outline the classification system used to identify organisms
- 02.02 List the five kingdoms and describe the unique characteristics of the individuals within each kingdom
- 02.03 Explain the concept: the more closely organisms are related the more similar their classification will be
- 02.04 Outline the classification of the major livestock animals in the United States

**03.0 Cell Structure**

The student will be able to:

0 1 2 3

- 03.01 Identify the parts and organelles of the plant and animal cells
- 03.02 Describe the differences between plant and animal cells

0 1 2 3

- 03.03 List and describe the functions of each of the major types of specialized animal cells
- 03.04 Describe the functions of the vacuole, microtubules, and microfilaments as they relate to the cell structure and support
- 03.05 Explain how a cell is able to maintain a particular shape, and the nutrients that help it do so

**04.0 Functions of the Cell**

The student will be able to:

0 1 2 3

- 04.01 List and describe the nutrient and elemental composition of the cells protoplasm
- 04.02 List the cell organelles and the functions of each part
- 04.03 Trace the pathway of a glucose molecule through the cell
- 04.04 Describe the process of cellular metabolism of proteins, fats, and complex carbohydrates
- 04.05 Describe the process of cellular respiration and list the products produced

**05.0 Animal Tissues**

The student will be able to:

0 1 2 3

- 05.01 Describe how specialized cells are organized to form a tissue type
- 05.02 List and describe the six types of specialized animal tissues and their individual functions

**06.0 Animal Organs and Systems**

The student will be able to:

0 1 2 3

- 06.01 List the eight systems of animals and the major organs that make up each system
- 06.02 Explain the functions of each of the eight systems

**07.0 Genetics and Heredity**

The student will be able to:

0 1 2 3

- 07.01 Demonstrate phenotypic and genotypic selection of breeding and market livestock
- 07.02 Be able to recognize different types of production records
- 07.03 List the types of livestock and the correct number of chromosomes
- 07.04 Describe how genetic make-up is determined
- 07.05 Distinguish between simple and multiple gene inheritance
- 07.06 Distinguish between dominant, recessive, and incomplete dominant genes

**08.0 Breeding and Reproduction**

The student will be able to:

0 1 2 3

- 08.01 Discuss types of mating systems and methods
- 08.02 Discuss breeding periods
- 08.03 List and discuss the major parts of the female reproduction tract
- 08.04 List and discuss the major parts of the male reproduction tract
- 08.05 Describe reproductive hormones
- 08.06 Recognize fertility problems
- 08.07 Explain gestation and parturition in the various livestock species
- 08.08 Discuss genetics and heritability in livestock
- 08.09 Discuss and demonstrate methods of artificial insemination and heat detection

**09.0 Animal Nutrition**

The student will be able to:

0 1 2 3

- 09.01 Discuss livestock digestive systems
- 09.02 Describe the functions of essential nutrients
- 09.03 List and discuss animal feed classifications and their uses
- 09.04 Calculate rations and feed needs

**10.0 Animal Health**

The student will be able to:

0 1 2 3

- 10.01 Discuss the causes of disease
- 10.02 Develop diagnosis procedures
- 10.03 Discuss disease prevention
- 10.04 Describe procedures for controlling parasites
- 10.05 Discuss the controlling of poisonous plants
- 10.06 Explain the treatment of disease
- 10.07 List various health regulations and agencies

**11.0 Animal Products**

The student will be able to:

0 1 2 3

- 11.01 Discuss the nutritional food value of animal meat, dairy, and poultry products