

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

### Chromosomes and Meiosis Unit – Reinforcement Worksheet

Examine the table below. Fill in the missing information based on the numbers that are given.

Organism	Body Cell Chromosome Number	Sex Cell Chromosome Number
Cat	38	
Onion		8
Guinea Pig	14	
Cow	60	
Chicken		39

Using the information above, complete the following table.

Organism	Sperm Chromosome #	Egg Chromosome #	Fertilized Egg Chromosome #	Chromosome # in each body cell of the offspring
Cat				
Onion				
Guinea Pig				
Cow				
Chicken				

**Main Ideas:** Your body has autosomes and sex chromosomes. Body cells are diploid. Gametes are haploid.

- 1) What is the sex of a person with two X chromosomes? \_\_\_\_\_
- 2) Which chromosome carries the fewest number of genes? \_\_\_\_\_
- 3) What type of cells are haploid? \_\_\_\_\_
- 4) What is the diploid chromosome number in humans? \_\_\_\_\_ What is the haploid chromosome number? \_\_\_\_\_
- 5) How many autosomes are present in each human gamete? \_\_\_\_\_  
 How many sex chromosomes? \_\_\_\_\_
- 6) How do gametes differ from somatic cells? \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_