




Name \_\_\_\_\_ Date \_\_\_\_\_ Class \_\_\_\_\_

## HUMAN TRAITS (Co-dominance)

In your textbook, read about incomplete dominance in Section 27:2.

1. Red blood cell shape shows incomplete dominance in humans.  $R$  is the gene for round cell shape and  $R'$  is the gene for sickle cell shape.
  - a. Put checkmarks in the following table to show the shape of cells for persons with the genes listed.

			
$R'R'$			
$RR'$			
$RR$			

- b. Which gene,  $R$  or  $R'$ , is dominant? \_\_\_\_\_ Which is recessive? \_\_\_\_\_
2. a. Describe the condition that a person with  $R'R'$  genes has. \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_
- b. What is the name of this disease? \_\_\_\_\_

3. Human blood types show incomplete dominance as well as dominance. Fill in the table at the right showing possible genes a person with each blood type might have.

Blood type	Possible genes
A	or
B	or
O	
AB	

4. Which blood type genes are dominant to other blood type genes? \_\_\_\_\_  
 \_\_\_\_\_
5. Which blood type genes show incomplete dominance to each other? \_\_\_\_\_

# Incomplete Dominance

NAME: \_\_\_\_\_

B = BLACK FEATHERS  
 W = WHITE FEATHERS  
 BW = GRAY FEATHERS

	B	W
B		
W		

1. FILL IN CHART
2. WHAT COLOR(S) ARE THE PARENTS? \_\_\_\_\_

THE OFFSPRING:

3. HOW MANY CHICKENS HAVE GRAY FEATHERS? \_\_\_\_\_
4. HOW MANY CHICKENS HAVE WHITE FEATHERS? \_\_\_\_\_
5. HOW MANY CHICKENS HAVE BLACK FEATHERS? \_\_\_\_\_
6. IF NEITHER IS DOMINANT, WHAT IS THIS CALLED? \_\_\_\_\_

RR = RED

WW = WHITE

RW = PINK

MAKE A CHART SHOWING THE CROSS BETWEEN A RED FLOWER AND A WHITE FLOWER:


MAKE A CROSS BETWEEN TWO HYBRID FLOWERS:
