ame:	Date:	Period:
Riology:	: Incomplete & Cod	ominance
	at the Punnett Squares and answer the following	
complete Dominance:	-	
1) Cross a homozygous	red (RR) carnation and a heterozygous pink (R	
	a. List all the genotypes	
	b. List all the phenotypes	
	What is the probability of getting	ng:
	c. Heterozygous flowers?	
	d. Red flowers?	
	e. The same phenotype as one	of the parents?
	now could one create all three colors at a time (rett Square. (This is not a trick question. It can be	
	a. List the genotypes	
	b. List the phenotypes	
	What is the probability of getting	ng:
	c. White flowers?	
	d. Homozygous dominant flow	vers?
	e. Heterozygous flowers?	
recessive. Using this inform	There are 3 alleles for blood (A, B, O). A and I mation, complete the Punnett squares below. ous type A blood and Jeff has type AB blood. C	•
	a. List the genotypes	
	1 71 ———	
	What is the probability of getting	
	What is the probability of getting. c. Type B blood?	ng:
	c. Type B blood?	ng:
	c. Type B blood? d. Homozygous blood?	ng:
4) Manuel has heterozyg	c. Type B blood? d. Homozygous blood?	ng:
4) Manuel has heterozyg	c. Type B blood? d. Homozygous blood? e. The same phenotype as Jess gous type B blood and Naomi has type O blood.	sica? Complete the Punnett Square.
4) Manuel has heterozyg	c. Type B blood? d. Homozygous blood? e. The same phenotype as Jess gous type B blood and Naomi has type O blood. a. List the genotypes	sica? Complete the Punnett Square.
4) Manuel has heterozyg	c. Type B blood? d. Homozygous blood? e. The same phenotype as Jess gous type B blood and Naomi has type O blood. a. List the genotypes	sica? Complete the Punnett Square.
4) Manuel has heterozyg	c. Type B blood? d. Homozygous blood? e. The same phenotype as Jess gous type B blood and Naomi has type O blood. a. List the genotypes b. List the phenotypes What is the probability of getting	sica? Complete the Punnett Square.
4) Manuel has heterozyg	c. Type B blood? d. Homozygous blood? e. The same phenotype as Jess gous type B blood and Naomi has type O blood. a. List the genotypes b. List the phenotypes What is the probability of getting. Type O blood?	sica? Complete the Punnett Square.

Name:	Date:	Period:
Biology: Codomin	ance Blood	l Typing
Codominant Blood Types: There are 3 alleles for bles recessive. Using this information, complete the Pur		e both dominant, and only O
 Suppose a father of blood group A and a moth blood groups are possible in their subsequent mentioned in the story. Include a Punnett squa 	children? Draw a pedigree	<u> </u>
Draw your Punnett square below	Drav	v your pedigree below
a. What blood groups are possible in the	ir subsequent children?	
b. What is the probability of having a blo	ood group AB child?	
2. Suppose a father of group B and a mother of gincludes every person mentioned in the story.		
Draw your Punnett square below	Drav	v your pedigree below
a. What are the chances that their next ch	nild will be group O?	
b. Group B?		
c. Group A?		
d. Group AB?		

3. A man with type A blood and woman with recessive blood, produce a daughter with the same blood type as the father and a son with the same blood type as the mother. The son grows up and marries a woman with homozygous type B blood. They have 3 children. Draw a pedigree that includes every person mentioned in the story. Include a Punnett square of the son and his wife

Draw your Punnett square below	Draw your pedigree below	

- a. What is the probability of the son and his wife producing a type O child?
- b. Type AB?
- 4. Oh no! There was a fire in the children's wing of a hospital and among the chaos and confusion of evacuating the babies, the name tags of the 4 children have been lost. Can you help identify who the 4 newborn boys belong to? The blood types of the 4 sets of parents are seen in the table below.

	Mr.	Mrs.
Brown family	AB	O
Morales family	В	В
Haskell family	A	В
Turcio family	О	О

Baby 1 has type AB blood. Baby 2 has type B blood. Baby 3 has type O blood. Baby 4 has type A blood. Set up a Punnett square for each couple to help you solve this problem.