Codominance	Worksheet	Blood	typec
Codominance	worksneet	Diood	types.

Name				

Human blood types are determined by genes that follow the CODOMINANCE pattern of inheritance, along with the usual complete dominance we've seen before. There are two dominant alleles (I^A and I^B) and one recessive allele (i).

Blood Type (Phenotype)	Genotype	Can donate blood to:	Can receive blood from:
О	ii	A,B,AB and O (universal donor)	О
AB	I^AI^B	AB	A,B,AB and O (universal receiver)
A	I ^A I ^A or I ^A i	AB, A	O,A
В	I ^B I ^B or I ^B i	AB,B	O,B

Е	3	I ^B I ^B or I ^B i AB,B		О,В			
1.	Write t a. b. c. d. e. f. g. h.	Homozygous Heterozygous Type O Type "A" and Type "AB" Blood can be Can only get Genotype tha 2 genotypes t	 and				
2.	Pretend that Brad Pitt is homozygous for the type B allele, and Angelina Jolie is type "O." What are all the possible blood types of their baby?						
3. Draw a Punnett square showing all the possible blood types for the offspring produced by a type "O" mother and an a Type "AB" father							
 Mrs. Clink is type "A" and Mr. Clink is type "O." They have three children named Matthew, Mark, and Luke. Mark is type "O," Matthew is type "A," and Luke is type "AB." Based on this information: a. Mr. Clink must have the genotype b. Mrs. Clink must have the genotype because has blood type c. Luke cannot be the child of these parents because neither parent has the allele 							
5.	technol	ogy does not ex baby has blood Mother's gen Father's genot Baby's genot	otype:)," the father has blood type "AB,"			