	S		
	COC	dominance (Blood	types)
			CE pattern of inheritance. There are tw
Blood Type (Phenotype)	Genotype	Can donate blood to:	Can receive blood from:
0	ii	A,B,AB and O (universal donor)	0
AB	I _A I _B	O, AB	A,B,AB and O (universal receiver)
А	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
he genotype f	or each person b	pased on the description:	,
nozygous for t	he "B" allele		e. Type "AB
b. Heterozygous for the "A" allele		f. Bloo	od can be donated to anybody
c. Type O		g. Can only get blood from a type "O" donor	
	eles (IA and IB) Blood Type (Phenotype) O AB A B he genotype for the control of the control	Blood Type (Phenotype) O ii AB IAIB A IAIB A IBIBOR IB	Blood Type Genotype Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to: Can donate blood to:

13. Two parents think their baby was switched at the hospital. Its 1968, so DNA fingerprinting technology does not exist yet. The mother has blood type "O," the father has blood type "AB," and the baby has blood type

d. Draw a punnett square showing all possible genotypes for children produced by this couple.

Ruke is type "AB." Based on this information:

a. Mother's genotype: _____b. Father's genotype: _____

e. Was the baby switched?

C. Baby's genotype: _____ or ____

"B."

c. Luke cannot be the child of these parents because __