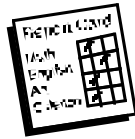


Name \_\_\_\_\_

Date \_\_\_\_\_ Per \_\_\_\_\_ Asst \_\_\_\_\_



## Blood Groups and Heredity Answer Key

1. Draw a Punnett square showing all of the possible offspring genotypes produced by parents with AB and O blood.

	A	B
o	Ao	Bo
o	Ao	Bo

2. What fraction would have type AB blood? *0*
3. What fraction would have type A blood? *1/2*
4. What fraction would have type B blood? *1/2*
5. Is it possible for these parents to have a child with blood type O? *no*
6. Draw Punnett squares to show all of the possible offspring blood types from a mother with blood type A and a father with blood O. Note that you will need to set up two Punnett squares. You need to begin by determining the possible genotypes of mom and dad.

	A	A
o	Ao	Ao
o	Ao	Ao

	A	o
o	Ao	oo
o	Ao	oo

What must be the mother's genotype in order to have a child with blood type O? *AO*