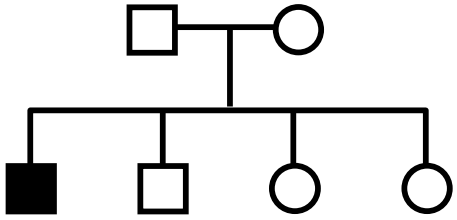
Name _____ **Period** _____

AP Biology **Date** _____

GENETICS PRACTICE 4: PEDIGREES

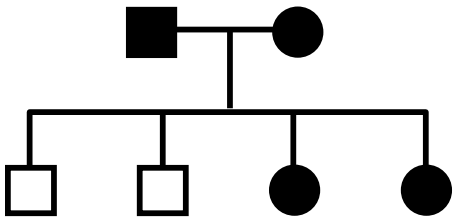
PEDIGREE #1



Could this trait be inherited as a simple…

			If "**YES**", then suggested genotypes of **father**		**mother**
a. autosomal recessive?	**YES**	**NO**	**Aa**	x	**Aa**
b. autosomal dominant?	**YES**	**NO**	_____	x	_____
c. X-linked recessive?	**YES**	**NO**	X^AY	x	X^AX^a
d. X-linked dominant?	**YES**	**NO**	_____	x	_____
e. Y-linked trait?	**YES**	**NO**	_____	x	_____

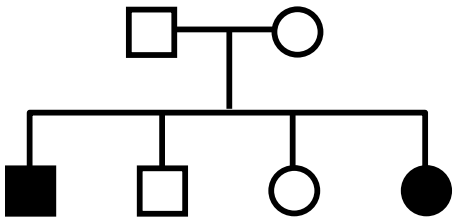
PEDIGREE #2



Could this trait be inherited as a simple…

			If "**YES**", then suggested genotypes of **father**		**mother**
a. autosomal recessive?	**YES**	**NO**	_____	x	_____
b. autosomal dominant?	**YES**	**NO**	**Aa**	x	**Aa**
c. X-linked recessive?	**YES**	**NO**	_____	x	_____
d. X-linked dominant?	**YES**	**NO**	X^AY	x	X^AX^a
e. Y-linked trait?	**YES**	**NO**	_____	x	_____

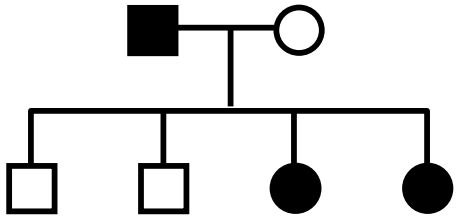
PEDIGREE #3



Could this trait be inherited as a simple…

			If "**YES**", then suggested genotypes of **father**		**mother**
a. autosomal recessive?	**YES**	**NO**	**Aa**	x	**Aa**
b. autosomal dominant?	**YES**	**NO**	_____	x	_____
c. X-linked recessive?	**YES**	**NO**	_____	x	_____
d. X-linked dominant?	**YES**	**NO**	_____	x	_____
e. Y-linked trait?	**YES**	**NO**	_____	x	_____

PEDIGREE #4



Could this trait be inherited as a simple…

			If "**YES**", then suggested genotypes of **father**		**mother**
a. autosomal recessive?	**YES**	**NO**	**aa**	x	**Aa**
b. autosomal dominant?	**YES**	**NO**	**Aa**	x	**aa**
c. X-linked recessive?	**YES**	**NO**	X^aY	x	X^AX^a
d. X-linked dominant?	**YES**	**NO**	X^AY	x	X^aX^a
e. Y-linked trait?	**YES**	**NO**	_____	x	_____