

NAME:	PERIOD:	DATE:
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Genetics Basics Practice

Do these genetics problems. You can use your notes to help. For each problem, **circle the gene**, and fill in all the other information.

1. CIRCLE THE GENE in the DNA strip below:	Night-vision
The state of the s	N – good night-vision
	n – night-blindness
What's the trait?	
What are the possible alleles?	TEST SUBJECT: Bruce – Nn
Which is the dominant allele?	
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
O OLD OLD THE OFFICE ALL DAMA AND A	
2. CIRCLE THE GENE in the DNA strip below:	Hair Color
	D – dark hair
	e – blonde hair
What's the trait?	
What are the possible alleles?	TEST SUBJECT: John – DD
Which is the dominant allele?	
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
O OIDOLE THE OFNE is the DNA stairs below.	
3. CIRCLE THE GENE in the DNA strip below:	Eye Color
	B – brown eyes
	b – blue eyes
What's the trait?	
What are the possible alleles?	TEST SUBJECT: Diana – bb
Which is the dominant allele?	
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
A CIDOLE THE OFNE is the DNA strip below.	
4. CIRCLE THE GENE in the DNA strip below:	Foot Speed
	F – fast runner
	f – normal runner
What's the trait?	
What are the possible alleles?	TEST SUBJECT: Wally – Ff
Which is the dominant allele?	
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
5. CIRCLE THE GENE in the DNA strip below:	
5. CIRCLE THE GENE III the DNA strip below.	Shoulder Blade Size
	R – normal shoulder blades
	r – huge shoulder blades
What's the trait?	TEOT OUR IEOT OLD
What are the possible alleles?	TEST SUBJECT: Shayera – rr
Which is the dominant allele?	
Which is the recessive allele?	_
What's the test subject's phenotype?	genotype?



6. CIRCLE THE GENE in the DNA strip below:	Psychic Ability M – no psychic ability m – psychic ability
What's the trait? What are the possible alleles? Which is the dominant allele?	TEST SUBJECT: Jonn – mm
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
7. CIRCLE THE GENE in the DNA strip below:	Susceptible to Kryptonite K – not susceptible to kryptonite
	k – susceptible to kryptonite
What's the trait? What are the possible alleles? Which is the dominant allele?	TEST SUBJECT: Clark – kk
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
O CIDCLE THE CENE in the DNA atria below:	
8. CIRCLE THE GENE in the DNA strip below:	<u>Amphibious</u>
	A – can breathe underwater
	a – cannot breathe underwater
What's the trait? What are the possible alleles? Which is the dominant allele?	TEST SUBJECT: Arthur – Aa
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
9. CIRCLE THE GENE in the DNA strip below:	
o. Office The Gene in the British below.	Business savvy
	L – wheels and deals with the best of them
	x – couldn't run a lemonade stand
What's the trait? What are the possible alleles? Which is the dominant allele?	TEST SUBJECT: Lex – Lx
Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
10 CIRCLE THE CENE in the DNA atria below:	
10. CIRCLE THE GENE in the DNA strip below:	<u>Intelligence</u>
	D – normal intelligence
	h – below normal intelligence
What's the trait?	TEST SUBJECT: Solomon – hh
What are the possible alleles?	1101 3000101 - IIII
Which is the dominant allele? Which is the recessive allele?	
What's the test subject's phenotype?	genotype?
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