

CREATURE FEATURE

ALLELE	PHENOTYPE AND INHERITANCE INFO
A	AA, Aa = hairy aa = hairless
a	
B	BB, Bb = plump bb = skinny
b	
C	CC = four legged, Cc = 3 legged cc = 2 legged
c	
D	DD, Dd = Long nose dd = short nose
d	
E	EE, Ee = freckles ee = no freckles
e	
F1	F1F1= Blue skin F1F2 = Blue w/orange spots skin F2F2 = orange skin
F2	
G	GG = Large ears, Gg = med. Ears gg = small ears
g	

Gene A					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Gene B					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Gene C					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Gene D					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Gene E					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Gene F					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Gene G					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Gene H					
	Mom's Allele	Dad's Allele	Overall Genotype	Overall Phenotype	Type of Inheritance
DNA sequence					
Comp. DNA					
mRNA					
tRNA					
Amino Acid					
Allele Letter					

Draw your creature 😊 Color and labeled diagram.

Questions:

1. What are four major differences between DNA and RNA?
2. The process of _____ involves reading the DNA and creating _____. This process occurs in the _____ and is necessary because _____ cannot leave this area of the cell. The mRNA then travels to the _____ where _____ bases, also known as a codon, are read at a time. The _____ brings down the corresponding _____. This process is known as _____.