

Worksheet #2: "Making Your Dragon"

INSTRUCTIONS: Using the table on page 1 please complete the following data tables of how your dragon will look. Please tape or glue the information of inherited genes from your dragon's parents in the space provided below. Then using the Dragon Blackline Master on page 3, make your dragon on the blank piece of paper on page 4.

Paste Genetic Code here:

	Dragon Couple #1	
	Mom: N h G s t B e F I R w K X	
	Dad: N H g S T b e F L r W K Y	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Paste Genetic Code here:

Dragon Couple #2	
Mom: n h G S t B E F L r w K X Dad: N H G S T B E f l r w k X	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Paste Genetic Code here:

Dragon Couple #3	
Mom: n H G S t b E F I R W K X Dad: n h g s T b E F L r w k Y	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Dragon Couple #4	
	Mom: N h G s T b E F L r w k X Dad: N h g s T B E f L r W K Y

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Dragon Couple #5	
Mom: n h g s t B e f l r w k X	
Dad: n H g S T b e f l R W k X	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Dragon Couple #6	
Mom: n H G s t B E F L R w K X	
Dad: N h g S t B e f L R w K Y	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Hom?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Dragon Couple #7
Mom: N h G S T b E F L R W k X Dad: N H g S t b E F I R w k Y

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Dragon Couple #8	
	Mom: n H g s t B e f l r W K X Dad: n h G S T B E f L r w K X

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Paste Genetic Code here:

	Dragon Couple #9	
Mom: N H G S T b E F I R W K X Dad: N h g s T b e f L R W k X		

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/ Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/ Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/ Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/ Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Dragon Couple #10	
	Mom: n h g S t b e F L R w K X Dad: n h g s T b E f L R W K Y

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Dragon Couple #11	
Mom: N H g s t B E f l r W k X Dad: n H g s t b E f L r w k X	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Paste Genetic Code here:

Dragon Couple #12	
	Mom: NHG s T b E f I R w k X Dad: NHG S T B E f I r w k Y

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Paste Genetic Code here:

Dragon Couple #13	
Mom: N h G s T b E F L r W K X Dad: n H g S t B e F l r w k X	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Paste Genetic Code here:

Dragon Couple #14	
Mom: n h G s t B e f l r w K X Dad: N h g s T B E F I R w k X	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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Paste Genetic Code here:

Dragon Couple #15	
Mom: n H g S T b E f L R W K X Dad: N h G s t B E F L r w k X	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			

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INSTRUCTIONS: Using the table on page 1 please complete the following data tables of how your dragon will look. Please tape or glue the information of inherited genes from your dragon's parents in the space provided below. Then using the Dragon Blackline Master on page 3, make your dragon on the blank piece of paper on page 4.

Paste Genetic Code here:

Dragon Couple #16	
Mom: N H G S t b E F L R W K X Dad: N H g S T b e F I R W k Y	

Data Table

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
1	Neck length			
	Eye color			
	Horn?			
	Spikes?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
2	Tail length			
	Body color			
	Color of wings			
	Number of toes			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
3	Belly color			
	Color of spikes			
	Freckles?			

Chromosome pair number	Trait	Genotype	Homozygous/Heterozygous	Phenotype
4	Fire breathing?			
	Ear frills?			