THE	REEBOP FAMILY	Name		Period	_ Date		
Ree	ebops are an imaginary speci		and require minimal care. In this				
Ree	ebop parents reproducing, w	ith you constructin	g the resulting Reebop offspring.	You are to sort I	Mom and Dad		
Ree	bop chromosomes using the	e concepts of meio	sis in forming the gametes and de	ecode the chrom	osomal code found		
		•	oop siblings will be assembled tog				
			revealed that Reebops have 8 pai				
	omosomes.	racaar opcores mas	. Стоина платистворо пате е ра		,		
C	omosomes.						
Pro	cedure:						
1.	Meet Mom and Dad Reebop. They are on the front desk. You will have an envelope which contains their						
	chromosomes.						
2.		from the envelope	and separate them by sex. In this	s simulation. Dad	Reebop's		
			Mom Reebop's are				
3.			of one color. Spread out the chro		ne same length		
٥.		_	one colon spread out the child	mosomes with the	ie same iengm		
1	together and with the letters facing down . Sort the chromosomes into pairs by similar length.						
4.	Soft the chromosomes into	pairs by sillinar let	igtii.				
	a. Are the parents diploid	or haploid?	Explain.				
	a. The the parents alphara						
	h Mhu da yay thiak aash	nair of chromoson	accie a different langth from the	athan naire?			
	b. Why do you think each	pair of chromoson	nes is a different length from the	other pairs:			
_							
5.			ning gametes from Mom Reebop		op's chromosomes.		
			some from each pair and put the				
	Your bal	by should have 16	chromosomes, half one color and	d half another.			

	****REMEMBER, A	LL CHROMOSOMES	S ARE FACE DOWN WITH THE LET	TERS NOT SHOW	VING****		
6	Daturn the unused Mam an	d Dad Baahan shr	omosomos bask into the envelope	2			
6.	Return the unused Mom an	а раа кеерор спг	omosomes back into the envelope	е.			
	and a later		1 2				
	a. What process does join	ing the gametes sii	mulate?				
	b. What do we call the fer	tilized egg?					
	c. Is the fertilized egg hap	loid or diploid?					
7. Congratulations!!! A baby Reebop has just been born.							
			pairs of chromosomes, one of ea	ch pair from			
and	I the other from						

9. Go to the stations and build your baby! You can go around the stations in any order, as long as you get your body segments first.

Complete the following **indicating the phenotype** of the traits of your offspring as you go around to the stations and build your offspring.

Baby Name:

Trait	Genotype	Phenotype
Body Segments (D)		
Antenna (A)		
Humps (M)		
Nose (Q)		
Tail (T)		
Eyes (E)		
Legs (L)		
Sex (XX or XY)		

10. Put your finished Baby Reebop in the nursery with its siblings.

ANALYSIS/CONCLUSION: Please answer in COMPLETE SENTENCES.

1.	Explain overall what you did in the lab (summarize the procedures).					
2.	How did the Reebop babies end up being different from their parents and from each other?					
3.	Explain how this lab relates to meiosis (should be longer than two sentences). How does this lab relate to genetics?					