HW#5

Genetics Practice Sheet	
Section A (6 Points) Identify whether the allele is dominant (D) or recessive (R): 1. B 4. A 2. b 5. f 3. X 6. m	
Section B (8 Points) Identify whether the gene is dominant (D) or recessive (R): 1. BB	
Section C (8 Points) Identify whether the gene is homozygous (Ho) or heterozygous (He): 1. HH	
	us dominant (HeD), o DD . Ww
Section E (12 Points) Identify the phenotype 1. Brown eyes are dominant to green eyes. Fill in the blanks with "	orown" or "green" eye
BB Bb bb 2. A full head of hair is dominant to baldness. Fill in the blanks wit Hh hh HH	
3. Curly hair is dominant to straight hair. Fill in the blanks with "cr	
4. Tongue rolling is a dominant trait, so rollers are dominant and rifill in the blanks with "roller" or "nonroller" TT tt Tt	

Name:		Date:	Period:	
Section F (8 Points	5)			
tongue rolling children are s 2. Color the het	g. Tongue rolling is a domina	ant trait. The possi		
T t Te E Et Et	b. How many box c. How many box out of c. How many box out of d. What is the property	fOR _ es have homozygo fOR es have homozygo fOR bability that they ominant? bability that their	ous recessive genes? % will have a child that's	
Section G (8 Point	s)			
1. Felicia and Christ curly hair and the da kid will have.	ian want to know if their chil ad has straight hair. Fill in th	d will have curly o e Punnett Square	or straight hair. The mom has to see what type of hair their	
QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture.	a. Is Felicia's genotypeb. Is Felicia's genotypec. Is Felicia dominant of	homozygous or h	eterozygous?	
e. What is the f. What is the 2. The same couple trait. Felicia has bro	wn hair but her father had re	Christian's child will have straight have straight har their kid will hard hair. Christian	will have curly hair?% nair?% ve. Brown hair is a dominant has red hair and both his	
parents had red han	r too. Fill in the Punnett squa	HE TO SE MHAT COLO	i iiaii tiicii kiu wiii iiave.	
QuickTime™ and a TIFF (Uncompressed) decompressor are needed to see this picture.	a. What percentage of% b. What percentage of%	f their children w	ill have red hair?	(
	 c. Which hair color is 	dominant, red Of	Z DLOMILL	