

## **Genetics Problems**

	1. TT Bb Dd ff	DD Tt	Ff bb	tt BB	dd FF	
2						
3.	Trait Dominant Gene Body Shape Squarepants (S) Body Color Yellow (Y) Eye Shape Round (R) Nose Style Long (L)	Recessive Gene Roundpants (s) Blue (v) Oval (r) Stubby (l)	(b) yy (c) Ss			
4.	Use the information in the	e chart in #1 to	write the geno		ypes) for each trait below	
	(a) Yellow body			(e) Stubby nose		
	(b) Roundpa		(f) Round eyes			
	(c) Oval eyes		(g) Squarepants			
	(d) Long nos		(h) Blue body			
5. Det	ermine the genotypes for	each using th	e informatio	n in the char	t in #1.	
	(a) Heterozygou		(c) Homozygous long nose			
	(b) Purebred squ	(d) Hybrid yellow body				
6.	Determine the phenotype for Yellow body color is d	ominant to blue.	using the infor		ed about SpongeBob.	
	Square shape is domina			. ss		
7.	7. For each phenotype, give the genotypes that are possible for Patrick.  A tall head (T) is dominant to short (t).  Tall = Short =					
	Pink body color (P) is Pink body =	7		ody =		