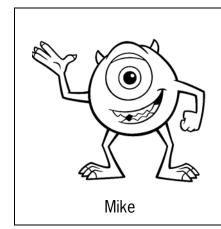
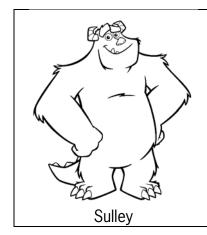
Name		

Monster Genetics



Genotype	Phenotype
Gg	Green body color
ee	One eye
СС	Clawed toes
Ff	Four fingers

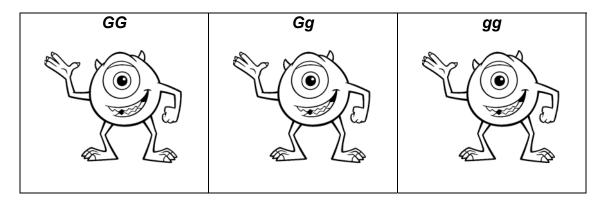


Genotype	Phenotype
Рр	Blue & purple body color
Hh	Horned ears
bb	Blue eyes
LL	Long hair

- 1. Which of Mike's traits are heterozygous?
- 2. Which of Mike's traits are homozygous recessive?
- 3. Which of Sulley's traits are homozygous dominant?

Given this information for monsters of Mike's species:

- I Green body color [G] is dominant to yellow body color [g].
- I Two eyes [E] are dominant to one eye [e].
- I Claws on toes [C] are dominant to no claws [c].
- Four fingers [F] are dominant to five fingers [f].
- 4. Color the monsters with the following genotypes:



5. Draw and color the monsters with the following genotypes:

Gg / EE / cc / ff	gg / ee / Cc / FF

	dominant to blue ey ominant to short hai nsters of Sulley's sp	r [I].
Phenotype		Genotype(s)
Blue body color		
Purple body color		
Horned ears		
Red eyes	 	
Long hair		
Short hair		
7. Mike's mother has a gen Mike's father has a gen Draw Mike's parents:		
Mother		

8.	Explain how a mother and father with two eyes can have one-eyed		
	offspring.		

9. Sulley's mother has a genotype of PP : Hh : Bb : II Sulley's father has a genotype of Pp : Hh : bb : LI Fill in the Punnett Square to show possible genotypes for type of ear for Sulleys brothers and sisters?

T	Type of Ear		
	Н	h	
Н			
h			

What are the possible phenotypes for these genotypes?

10. Fill in the Punnett Square to show the possible genotypes for body color for Sulley's brothers and sisters.

Body Color		
	P	P
P		
р		

What are the possible body color phenotypes, and the probability for each phenotype?