Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Per.\_\_\_\_\_

Chomp’s Story

 I’ve always been a sucker for the ladies. Whew-wee! Especially the ones with no fur! One day a few years back I saw the most beautiful monster I had ever laid my eyes on! Crooked teeth, big bulging eyes, long tongue and best of all she had no fur! I’m tellin’ you she was smokin’ hot. Since I’m a hot looking guy, I never had trouble pickin’ up women. I decided to holler at her, won her over with my charm of course, married her and settled down.

 We soon had two monster babies, one boy and one girl. Sadly they both had my blue fur. My son found a wife, I told him he should find a pretty furless monster…but he ended up with a lady with fur. When they had babies I was delighted to see that some of their monster children were furless, but there were a few with fur too. All together they had seven babies, 4girls and 3 boys. 1 boy and 1 girl were furless. One of the smarter furry granddaughter monsters found a furless husband. They married and gave me a beautiful furless great granddaughter monster.

**Pedigree Chart**

1. Make a pedigree to show Chomp’s family, using the information in paragraph two. Shade individuals **who are affected by blue fur**. Using the letter **B** write the genotypes of all individuals in the pedigree, (BB, Bb, B\_ )

b. Is blue fur dominant or recessive, how do you know?

**Punnet Squares**

Now that you know all about that trait in my family, let me tell you about my other traits.

1. Let’s talk about my beautiful long tongue! It’s good for catching flies. I’m lucky enough to have found a wife with that same long tongue! There is nothing like a fly catching competition on a Saturday night. You see, I’m heterozygous for the long-tongue trait (you can call it L) and my wife is heterozygous for the long-tongue trait.

If we have more children, what are the chances we will have a short-tongued Monstie?\_\_\_\_\_\_\_\_\_\_\_

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1. That’s not the only trait I can brag about. Check out my hot green spikes! These are the babe magnets right here. All I wanted was a girl with bright purple spikes and you know I found her. I am homozygous dominant for the green spike trait (call it S) and my wife is homozygous recessive.

 What are the chances my Lil’ Monsties will have green spikes?\_\_\_\_\_\_

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1. How about my eyes? My wife just goes googly eyed over me…

My son didn’t have my eyes, but luckily his wife had the googly eyed trait (call it G).

My son is homozygous recessive for the trait and his wife is homozygous dominant.

What are the chances their children will be googly eyed?\_\_\_\_\_\_\_\_\_\_\_\_\_

And what is my genotype? (CHOMPS) \_\_\_\_\_\_\_\_\_\_\_\_

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