

# Science 9

## Assignment

### UNIT 1 TOPIC 4- Wearing Your Genes

due: Wednesday October 15 p6

Answer all questions fully. Write neatly.

1. What is heredity?
2. What name given to variation in a characteristic such as height or skin colour?
3. What is the name given to variation in a characteristic such as tongue rolling?
4. What does dominant and recessive mean in terms of genetic traits?
5. Fill in the "Punnet Square" below for tongue rolling

		Father		
		Genes	R	r
Mother	R			
	r			

6. What % chance is there that a child will not be able to roll their tongue?
7. Under what circumstances could a recessive trait become more common than a dominant trait?
8. What are some examples of mutagens?
9. What is a process that could be attributed to mutation?