



DN Detectives



Name: _____

Challenge 1: Work in pairs to find out what your DNA tells us about you

Height: _____ cm



Shoe Size: _____



Eye colour: _____



The most common eye colour in the class is: _____

Challenge 3: Draw a cell and label the nucleus and the DNA

Challenge 2: Match the number to the correct word

1

Billion

100

Thousand

1000

Million

1,000,000

Trillion

1,000,000,000

One

1,000,000,000,000


Thousand

Write the number 37.5 trillion in full: _____

Challenge 4: Use the keys to break the code.

Strand 1 
C C A G G T G C A C G C G G C C G A

Strand 2 

Use Key 1: 

Use Key 2: 

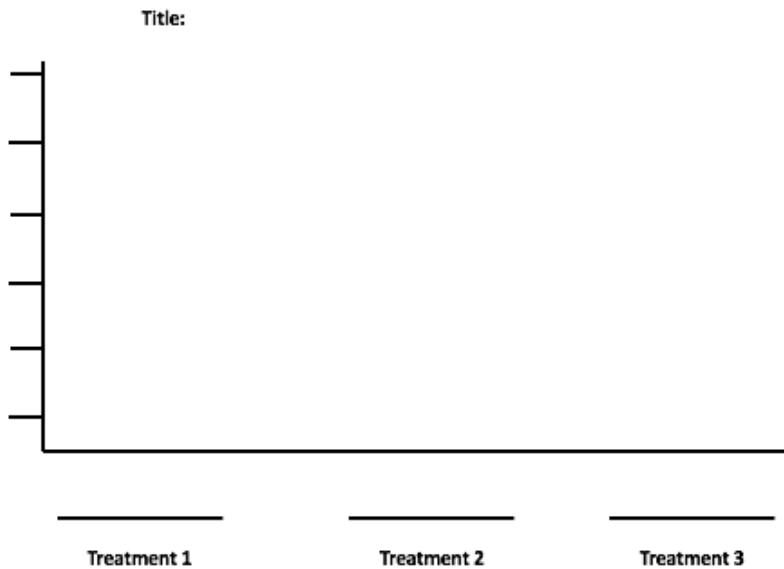
What are the words that you have uncovered in the code? You will need to work with others in the class as you will only have one of the answers.

Treatment 1 _____ Treatment 2 _____ Treatment 3 _____

How many of each treatment will the doctors need?

Number _____ Number _____ Number _____

Can you draw this number of each treatment as a graph



KEY 1: A-T	KEY 2: CGT - A	TCG - F	TAG - K	CTA - P	TAC - U	ACG - Z
C-G	AGT - B	CCG - G	TAT - L	TTG - Q	GAG - V	
	GAT - C	TTA - H	CGC - M	CCA - R	CAT - W	
	ATA - D	TGC - I	GCG - N	AAC - S	AAG - X	
	GCT - E	TGA - J	GGT - O	CAC - T	GCC - Y	