Worksheet 1: Genetics Family Portrait Trait Organiser

Name:_____

	Your Phenotype	Your Possible Genotype
1. Bent or Straight Phalanx Hold your hands in front of you with the palms facing towards you. Place the two little fingers side by side and press them together. Do they run parallel all the way or do the fingertips flare out away from each other? Each bone in the finger is called a phalanx. B= Dominant- bent phalanx b= Recessive- straight phalanx		
2. Dimples Dimples in the cheek is a dominant trait. There may be more than one dimple in a cheek or there may be dimples in one cheek and not the other. D= Dominant- have one or more dimples d= Recessive- no dimples		
3. Nose E= Dominant- nose convex and prominent e= Recessive- nose straight and moderate		
4. Freckles F= Dominant- freckles f= Recessive- no freckles		
5. Ear Lobes G= Dominant- free ear lobes g= Recessive- attached ear lobes		
6. Finger Hair H= Dominant- hair on middle joint of middle finger h= Recessive- hairless middle finger		
7. Hairline Examine the hairline on your forehead. P= Dominant- Widow's peak p= Recessive- straight or curved hairline		
8. Favoured Hand Q= Dominant- right-handedness q= Recessive- left-handedness		
9. Tongue Rolling The ability to roll the tongue into a long U-shaped trough is dominant over the lack of the ability. R= Dominant- can roll tongue r= Recessive- cannot roll tongue		
10. Eye Colour		

Name:_____

A= Dominant- brown (codominant) A'= Dominant- hazel or green (codominant) a= Recessive- blue or grey		
11. Hair Texture C= incomplete dominance curly C'= incomplete dominance straight ***Genotype CC' results in wavy hair*		
12. Hair Colour (Brown or Blonde) M= Dominant- dark hair m= Recessive- blonde or tawny		
13. Hair Colour (Red) N= Domiant- non-red hair n= Recessive- red hair. Reddish highlights in dark hair is considered carrying the red gene.		