Create a Face Lab (What you need to put in your assignments notebook)

**Instructions: Complete all 3 sections listed below:**

**1. Face Lab Data Sheet**

See example below:

Baby Name= \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Gender= \_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Characteristic/  Trait | Parent Genotypes | Father’s gamete given to child | Mother’s Gamete given to child | Offspring Genotype | Offspring Phenotype |
| 1. Face Shape | Rr X Rr | r | r | rr | Square face |
|  |  |  |  |  |  |

**2. Drawings of Offspring’s Face**

Note: Should take up about half a page to be able to fit all characteristics. You may also need to do a side view to show some characteristics.

**3. Analysis Questions:**

1. Clearly explain why only the father flipped the coin to determine the child’s gender.

2. Make a list of the inheritance patterns exhibited in this activity. For each inheritance pattern, give one example from the activity and clearly explain why it is an example of this inheritance pattern.

3. Explain why a coin was tossed to determine which allele each parent would pass on. How is this similar to real life genetics? How is it different?