IF ABSENT

Name: _____ Date: _____

Plastic Egg Genetics

½ egg + ½ egg = M & M candies
dad + mom = 4 offspring

Directions:

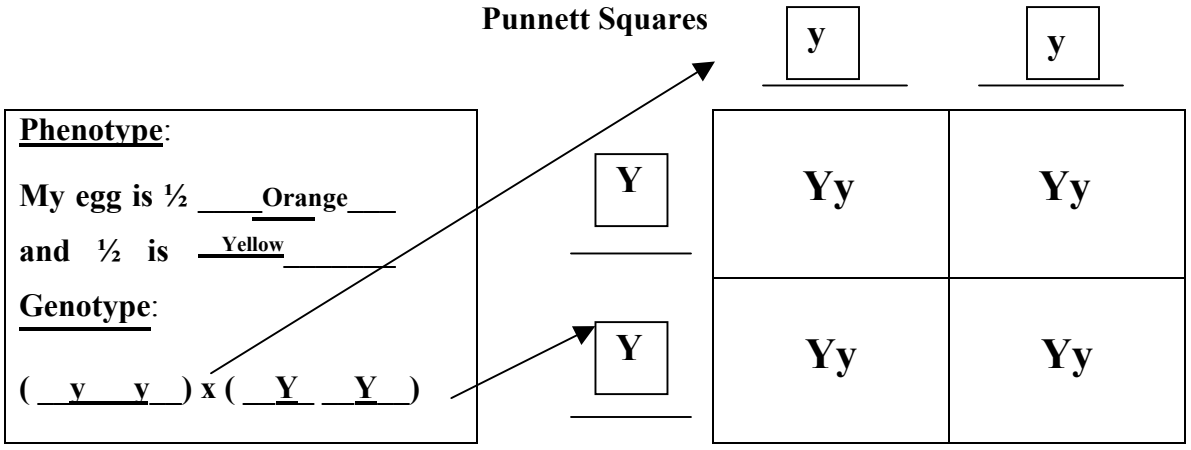
Since you missed the lab, I have filled in the phenotype and genotype of each parent.

1. ***Complete each of the four Punnett Squares.***

The following is an example of how to complete the Punnett Square.

2. ***Complete the "Result" table.***
3. ***Answer the Analysis Questions.***

Example of how to fill in data:



OFFSPRING

Genotypes: 4 (Yy)

Phenotypes: **4 yellow pieces**

PLASTIC EGG GENETICS

Name _____
Period____Date_____

Punnett Squares

1. **Phenotype**:

My egg is ½ purple
and ½ green

Genotype:

(G **)** **(** g **) x (** g **)** **(** g **)**

OFFSPRING

Genotype_____

Phenotype _____

Punnett Squares

2. **Phenotype**:

My egg is ½ green
and ½ green

Genotype:

G **)** **(** g **) x (** G **)** **(** g **)**

OFFSPRING

Genotype _____

Phenotype _____

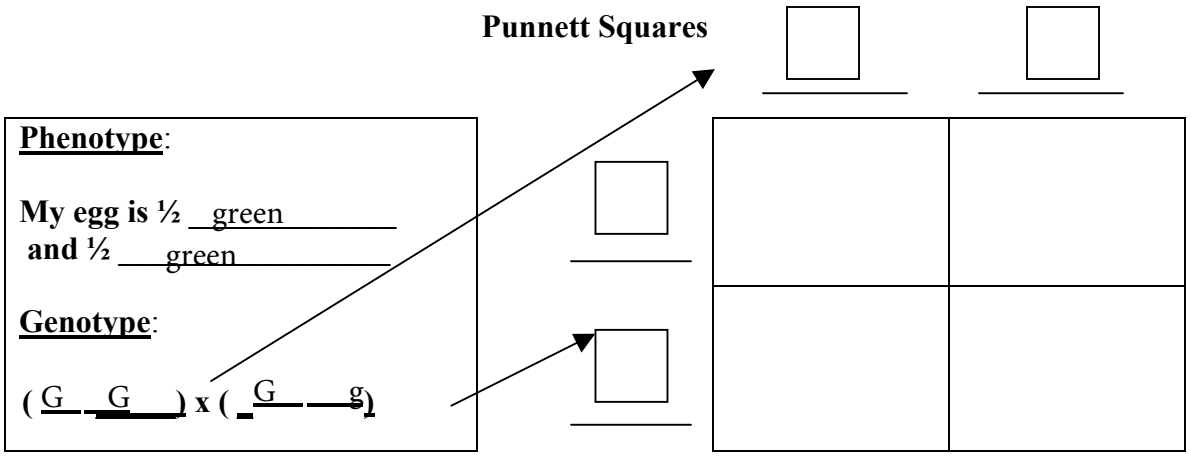
Punnett Squares

3. **Phenotype**:

My egg is ½ green
and ½ green

Genotype:

(G G) x (G g)



OFFSPRING

Genotype _____

Phenotype _____

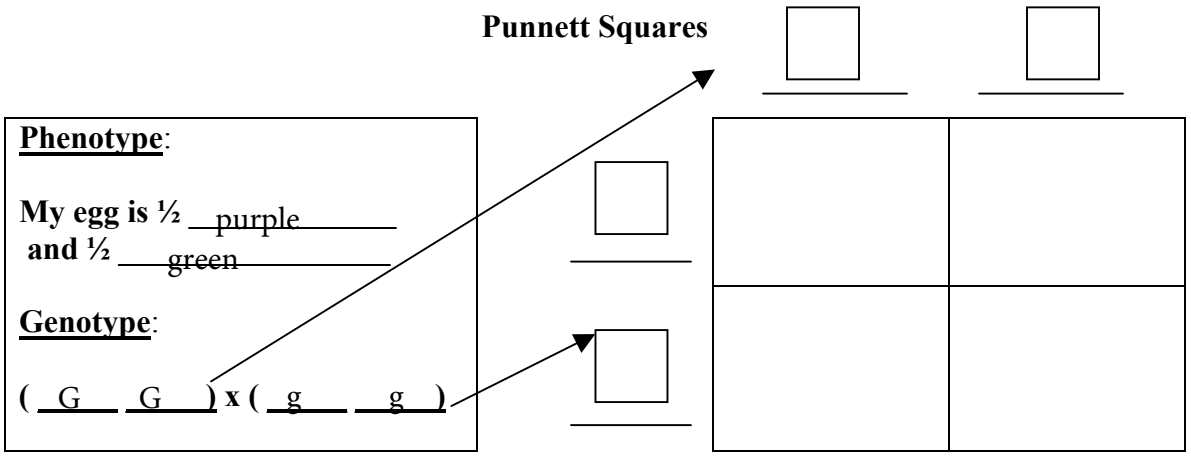
Punnett Squares

4. **Phenotype**:

My egg is ½ purple
and ½ green

Genotype:

(G G) x (g g)



OFFSPRING

Genotype _____

Phenotype _____