**Baby Face Lab**

Facilitator: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (writes down all information)

Scribe: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_(keeps everyone on task and participating)

Timekeeper: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (watches the clock to make sure you don’t fall behind)

Artist: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (draws your end product)

**Directions:** You will work in your teams to create a BEAUTIFUL baby face. Please use your imagination but keep it appropriate! You are going to make up dominant and recessive traits and assign them a letter. From that you will make up a genotype for the imaginary “Mom and Dad.” You will then create and solve a Punnett Square using their genotypes. From the Punnett Square you will choose at random a box to be your imaginary baby’s trait. You will then list the phenotype that is seen in this child. Once you have completed all the traits and Punnett Squares the artist in your group will draw the “Baby Face” on a separate sheet of paper.

**Traits:**

**Face Shape:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eye Shape:** Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eye Color:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Nose Shape:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mouth Shape:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eyebrows:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hair Texture:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hair Color:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ear Shape:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eyelash length:**  Letter Mom’s Genotype x Dad’s Genotype

 Dominant: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ x \_\_\_\_\_\_\_\_\_\_\_\_\_

 Recessive: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_=­­\_\_\_\_\_\_

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Now choose 1 of the 4 boxes to be the baby’s genotype.

Baby’s Phenotype: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Baby’s Phenotypes:**

**Face Shape:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eye Shape:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eye Color:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Nose Shape:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Mouth Shape:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eyebrows:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hair Texture:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Hair Color:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Ear Shape:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eyelash Length:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_