

Name: _____

Period: _____

1. Pick 1 monster **trait** from the list. Determine the **dominant** and **recessive** trait. Represent the **trait** with an **allele**. Draw/color the parents.
2. Combine the two **alleles** to make **genes**.

3. Create your own monster **cross** scenario.
4. Complete the **Punnett Square** to determine the possible **offspring**. (2 times)

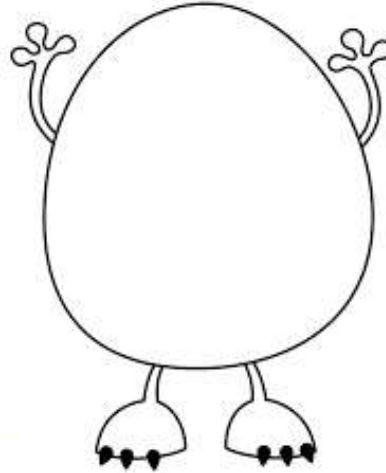
Dominant Trait: _____ ()
Recessive Trait: _____ ()

1. Homozygous Dominant: ____
2. Heterozygous: ____
3. Homozygous Recessive: ____

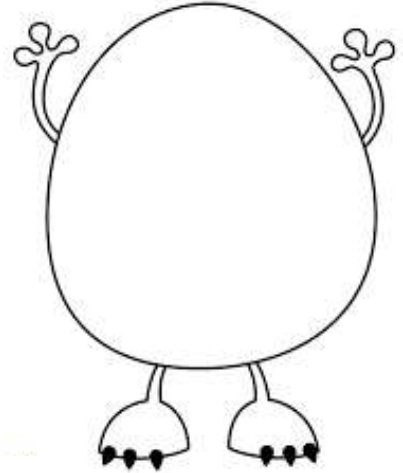
Monster Cross Scenario

A _____ is crossed
with a _____.

Parent #1



Parent #2



Monster Traits

big eyes/ small eyes

green hair/red hair

freckles/no freckles

fangs/no fangs

Punnett Square #1 Genotypes

Punnett Square #2 Phenotypes

5. Complete the **genotype** % and **ratio**.

6. Complete the **phenotype** % and **ratio**.

<u>Genotype</u> Percentage	<u>Genotype</u> Ratio

<u>Phenotype</u> Percentage	<u>Phenotype</u> Ratio

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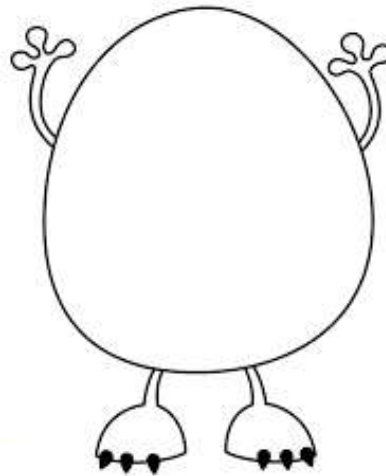
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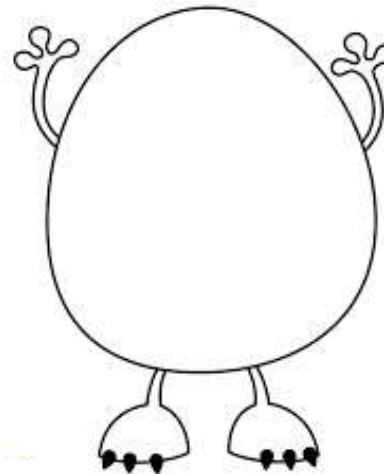
Monster Cross Scenario

A _____ is crossed
with a _____.

Parent #1



Parent #2



Monster Traits

big eyes/ small eyes

green hair/red hair

freckles/no freckles

fangs/no fangs

Punnett Square #1 Genotypes

Punnett Square #2 Phenotypes

5. Complete the **genotype** % and **ratio**.

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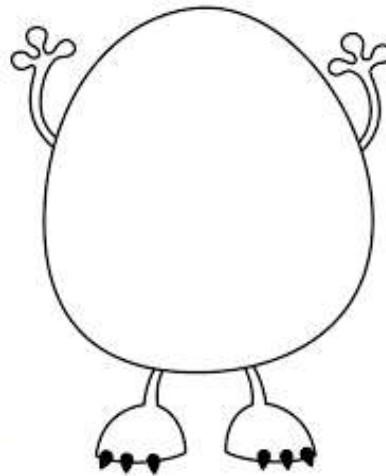
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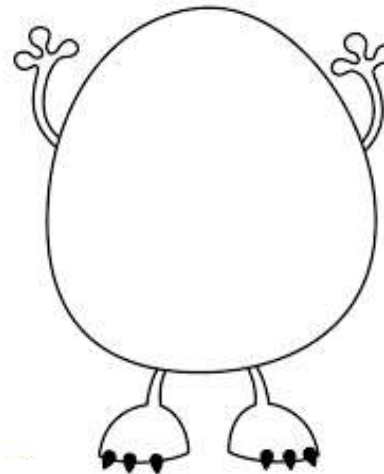
Monster Cross Scenario

A _____ is crossed
with a _____.

Parent #1



Parent #2



Monster Traits

spots/no spots
horns/ no horns
big nose/small nose

Punnett Square #1 Genotypes

Punnett Square #2 Phenotypes

5. Complete the **genotype** % and **ratio**.

6. Complete the **phenotype** % and **ratio**.

<u>Genotype</u> Percentage	<u>Genotype</u> Ratio

<u>Phenotype</u> Percentage	<u>Phenotype</u> Ratio

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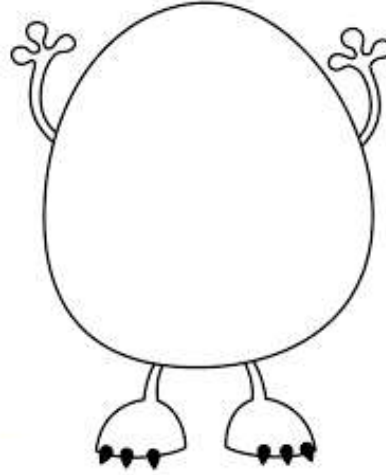
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Recessive Trait: _____ ()

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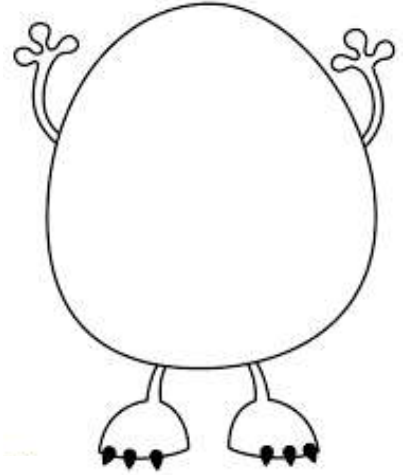
Monster Cross Scenario

A _____ is crossed
with a _____.

Parent #1



Parent #2



Monster Traits

spots/no spots

horns/ no horns

big nose/small nose

Punnett Square #1 Genotypes

Punnett Square #2 Phenotypes

5. Complete the **genotype** % and **ratio**.

6. Complete the **phenotype** % and **ratio**.

<u>Genotype</u> Percentage	<u>Genotype</u> Ratio

<u>Phenotype</u> Percentage	<u>Phenotype</u> Ratio

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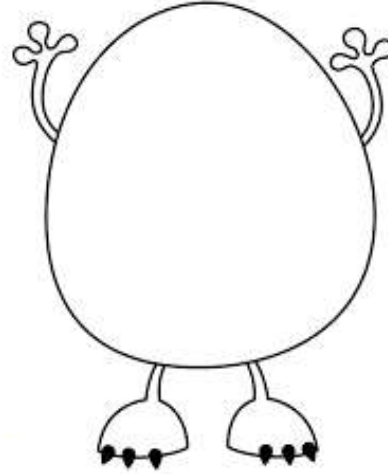
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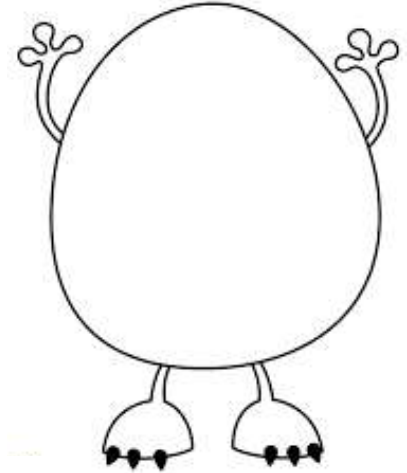
Monster Cross Scenario

A _____ is crossed
with a _____.

Parent #1



Parent #2



Monster Traits

Punnett Square #1 Genotypes

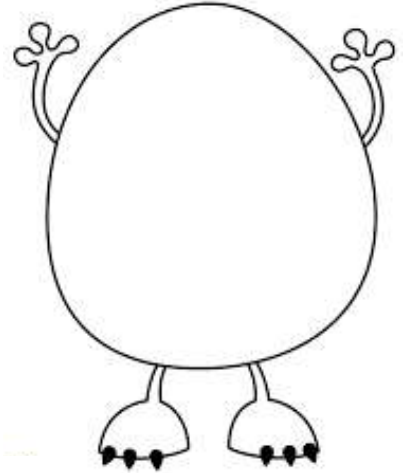
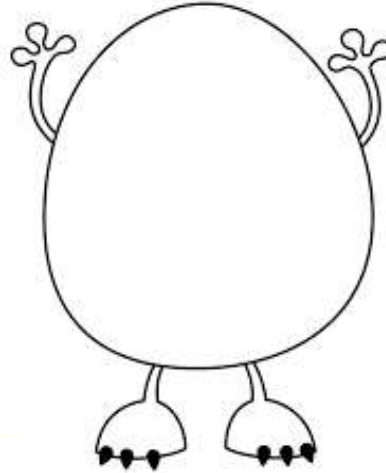
Punnett Square #2 Phenotypes

Period: _____

1. Pick 1 monster **trait** from the list. Determine the **dominant** and **recessive** trait. Represent the **trait** with an **allele**. Draw/color the parents.
2. Combine the two **alleles** to make **genes**.
3. Create your own monster **cross** scenario.
4. Complete the **Punnett Square** to determine the possible **offspring**. (2 times)

1. Homozygous Dominant: ____
2. Heterozygous: ____
3. Homozygous Recessive: ____

A _____ is crossed
with a _____.



Punnett Square #1 Genotypes

A 2x2 grid of squares. Thick black horizontal bars are positioned above the top-left and top-right squares, and below the bottom-left and bottom-right squares. A thick black vertical bar is positioned to the left of the left column.

Punnett Square #2 Phenotypes

Period: _____

1. Pick 1 monster **trait** from the list. Determine the **dominant** and **recessive** trait. Represent the **trait** with an **allele**. Draw/color the parents.
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Dominant Trait: _____ ()
Recessive Trait: _____ ()

1. Homozygous Dominant: ____
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3. Homozygous Recessive: ____

Monster Cross Scenario

A _____ is crossed with a _____.

Parent #1

Parent #2

Monster Traits



A diagram consisting of a 2x2 grid of squares. The top and left edges of the grid are marked with thick black horizontal bars. The top bar spans the width of the top row, and the left bar spans the height of the left column.

Punnett Square #1 Genotypes

Punnett Square #2 Phenotypes