

Name _____

Period: _____

Date: _____

Genetics Test Retake Ticket

Go to [Edulastic.com](https://www.edulastic.com) and click the "Grades" tab in the upper-left. Go through your Genetics Post Test.

1. What was the percent score you got on the Genetics Post Test? _____% What score out of 4 is this? ____/4
2. In question 1, what type of reproduction results in offspring with different traits? _____
3. Look at question 4. What should you have dragged the columns in the graph to?
Tall: _____% Medium: _____% Short: _____%
4. Look at question 6 and fill in the blanks below.

_____ contain thousands of _____

_____ which code for _____ which create an organism's _____

Go to [Edulastic.com](https://www.edulastic.com) and click the "Grades" tab in the upper-left. Go through your Genetics Pre Test.

5. What percent score did you get on the Genetics Pre Test? _____% What score out of 4 is this? ____/4
6. How many points (out of 4) did you increase from your Genetics Pre to Post Test? _____
7. In question 1, look at the "Explanation". Fill in the correct Punnett Square for the Bb x bb cross.
8. Look at your answer and the correct answer for question 4. Fill in the Punnett Square correctly below.

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9. In question 6, read the "Explanation" section at the bottom and answer these questions in a general way.
How can you tell if a trait is inherited? _____
How can you tell if a trait is acquired? _____

How can you tell if a trait is both? _____

10. Based on your results from the Genetics Pre and Post Tests, what is a specific topic you want to improve on when you do the Genetics Retake Test? _____

Look at our class website (stevens.portangelesschools.org/science8), your class journal prompts and notes.

11. Make a Punnett square for the following scenarios (this is from one of our journal prompts):

G=Green Pea Pods

g=Yellow Pea Pods

12. Students grew pea plants from a grandfather plant with all green pods and a grandmother plant with all yellow pods. All the resulting pea plants had green pods.

13. Students then bred the resulting green pod plants with each other to see what color pods the "grandkids" would have.

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14. Fill in the following table (use "Introduction to Genes" assignment or your notes for help)

| | Asexual Reproduction | Sexual Reproduction |
|--------------------------|---|--|
| # of Parents | _____ | _____ |
| Offspring's Genes | Offspring have identical _____ to parent (clone) | Offspring have _____ genes than parent (1/2 genes of each parent) |
| Variation?(Y/N) | _____ (all the same) | _____ (all different) |
| Sex? (Yes/No) | _____ ("a" means without) | _____ (egg+sperm, ova+pollen) |
| Examples | <ul style="list-style-type: none"> ● plant _____ / cuttings ● _____ ● _____ splitting ● cloning | <ul style="list-style-type: none"> ● animals ● many _____ ● _____ fungi ● some _____ |

Use the "DNA" assignment (find it in the "Micro-Life" Unit or daily agenda) if you need help with the following:

15. What does "mutation" mean? _____

16. What are some things that can cause mutations? _____
