

Hello everyone!

I am so excited to be teaching science in the fall with all of you! This notice is to start off the summer with some important information going into the new school year as well as summer work (I know, bummer). Attached to this notice is the science summer work for grade 7. There is one worksheet that needs to be completed before the first day of science class. You will need to watch “**Heredity**” by **Crash Course** on YouTube to complete this worksheet. It is nothing crazy, just something to keep science on your mind throughout the summer. There is also a coloring sheet. If you complete this coloring sheet, it will get you **5 extra credit points** on our first quiz in science. If by chance you lose any of your worksheets before the beginning of the year, they will be on google classroom. Your google classroom code for 7th grade is **obnr3gjb**. Attached is your supply list for the incoming school year. This will also be on google classroom as well as the school website. I would like to go over how to set up notebooks and your binder when we have our first class together, so if you can help it, try not to use your school supplies before our school year starts. Towards the end of the summer, I will be posting the class syllabus on google classroom, but you will also get a handout version as well to either bring home or to keep in your binder. Also, I know that everyone knows me as Miss Olivia for now, but once the school year starts I will be going by my new married name, Mrs. Moreira. If you or your families have any questions or concerns throughout the summer, please reach out to me by using my email below. I look forward to science in junior high in the fall!!!

Thank you,

Miss Olivia

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Name: _____

Date: _____

Class: _____

Part 1: Vocabulary Matching

Match each term with the correct definition.

Vocabulary Word	Letter
1. Heredity	_____
2. Trait	_____
3. Gene	_____
4. DNA	_____
5. Chromosome	_____
6. Allele	_____
7. Dominant	_____
8. Recessive	_____

Definitions

- A. A form of a gene that can affect a trait
- B. A trait that is hidden when a dominant trait is present
- C. A structure in cells that contains DNA
- D. The passing of traits from parents to offspring
- E. A section of DNA that controls a trait
- F. A characteristic such as eye color or height
- G. The molecule that carries genetic information
- H. A trait that masks another trait

Part 2: Multiple Choice

Circle the best answer.

1. Who is known as the “Father of Genetics”?
 - ☐ a. Isaac Newton
 - ☐ b. Gregor Mendel
 - ☐ c. Albert Einstein
 - ☐ d. Charles Darwin
2. Traits are passed from:
 - ☐ a. teachers to students
 - ☐ b. friends to friends
 - ☐ c. parents to offspring
 - ☐ d. plants to rocks
3. DNA is found inside:
 - ☐ a. chromosomes
 - ☐ b. leaves
 - ☐ c. clouds
 - ☐ d. water droplets
4. A dominant allele:
 - ☐ a. is always hidden
 - ☐ b. masks a recessive allele
 - ☐ c. disappears over time
 - ☐ d. only occurs in plants
5. If an organism has two different alleles, it is:
 - ☐ a. homozygous
 - ☐ b. recessive
 - ☐ c. heterozygous
 - ☐ d. dominant

Part 3: True or False

Write **T** for true or **F** for false.

1. _____ Genes are made of DNA.
2. _____ Recessive traits always appear.
3. _____ Chromosomes carry genetic information.
4. _____ Eye color can be an inherited trait.
5. _____ Alleles are different versions of a gene.