

GENETIC & ENVIRONMENTAL FACTORS STATION ACTIVITY

NGSS-MS-LS1-5

7 Unique Stations

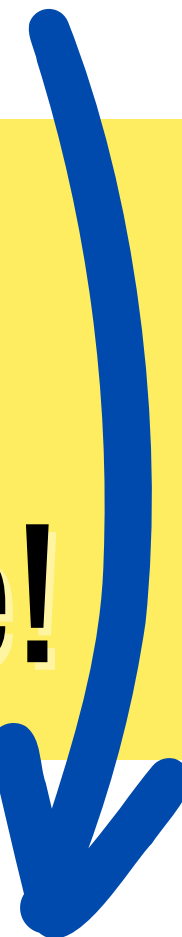
Middle School

JUST PRINT AND GO



7 Unique and Engaging Station Activities

SCROLL
to take a look inside!

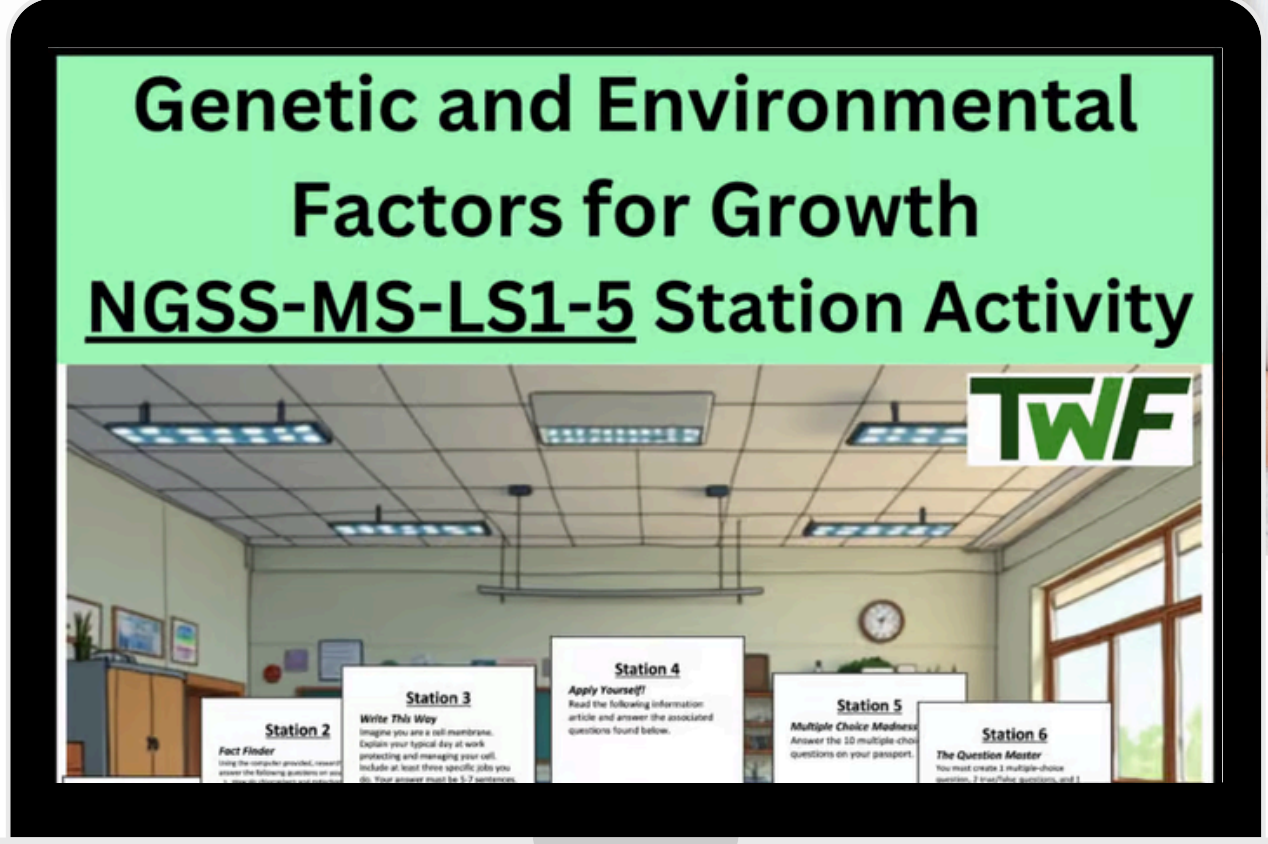


TEACHER BENEFITS

HOW THIS ACTIVITY HELPS YOU

- Minimal prep time required and very quick to mark
- Built-in differentiation for various learning styles
- Easy-to-follow setup instructions and answer keys provided
- Can be used for review, assessment, or concept introduction

Station 4
Apply Yourself!
Read the following information article and answer the associated questions found below.



Station Overview

- 1. Hands-On, Minds-On:** Students demonstrate conceptual understanding through drawing or building.
- 2. Fact Finder:** Develops research and digital literacy skills.
- 3. Write This Way:** Strengthens scientific writing and critical thinking.
- 4. Apply Yourself!:** Connects classroom concepts to real-world applications.
- 5. Multiple Choice Madness:** Reinforces key concepts through 10 targeted questions.
- 6. The Question Master:** Promotes higher-order thinking as students create their own assessment questions.
- 7. Word Wizardry:** Students create a summary of what they learned from the lab and what they want to learn.

Station 1

Hands-On, Minds-On

Create a split diagram showing how the same organism grows differently under different environmental conditions. See Station #1 hand out for task description and specifics.

Station 3

Write This Way

Writing prompt: Which body system do you think is most important and why? Support your answer with at least two specific examples of how this system helps other systems function.

Station 3

Write This Way

Writing prompt: Imagine you're a scientist studying two identical twin cows raised on different farms. One cow was raised on a farm with plenty of food and space, while the other was raised on a crowded farm with limited food. Even though these cows are genetically identical, they grew to different sizes. Write a paragraph (3-4 sentences) explaining why this happened.

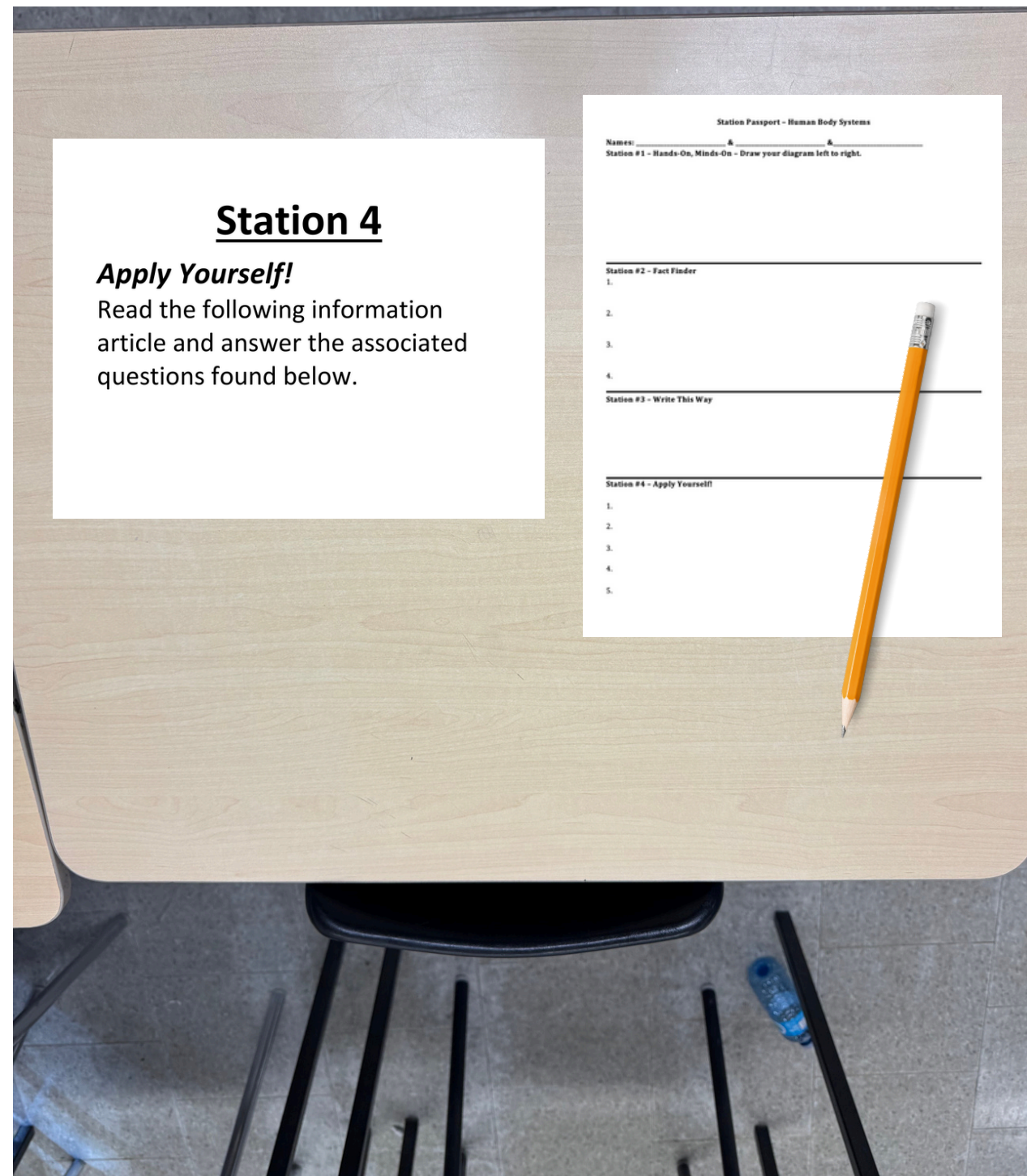
Station 7

Word Wizardry (complete when you are done all other stations)

Create an exit summary for your learning during the lab. You must write what you learned from performing the lab that you didn't know before and what you would like to learn more about in the future regarding the topic. Your answer should be at least 3-6 sentences in total and include details and examples for full marks.

★★★★★ Extremely satisfied - Simply Amazing!!
Students loved this activity. It kept them engaged and busy.

Your Stations



7 Unique Station Activities
Student Submission Sheet

A seven-station lab
with student passports
that makes science
hands-on, low-prep,
and easy to assess.



WHAT TEACHERS SAY ABOUT MY STATION ACTIVITIES



★★★★★ Extremely satisfied - Fabulous resource! My students learned a ton & perfectly aligned with NGSS standards.



★★★★★ Extremely satisfied - Simply Amazing!! Students loved this activity. It kept them engaged and busy.



Upgrade to the Lab Station MEGA Bundle

Get all my Lab Station Activities plus my
Station Activities.

Station 2

Research – Using your search engine, research: artificial photosynthesis. How does it work? How does it differ from natural photosynthesis? What are the advantages and disadvantages of using it?

Learn From The Expert
Instructions: Go to <https://youtu.be/Usd8pJewKj> and watch the video. You can also use the QR code below. While you are watching the video, answer each question and place your answer in the Learn From The Expert section of your passport. You may re-watch the video as many times as you like in the allotted time. Furthermore, you may re-watch the video while you are at one of the work stations so make sure you record the URL on your passport.



1. What is sound made of?
2. What frequency range can humans hear?
3. How can sound waves break a glass?
4. How does sound levitation work?
5. What is ultrasonic sound? What can it do to a person if they were hit with 20 Hz sound?

ANIMAL AND PLANT ADAPTATIONS STATION ACTIVITY NGSS-MS-LS3-1

Middle School

JUST PRINT AND GO

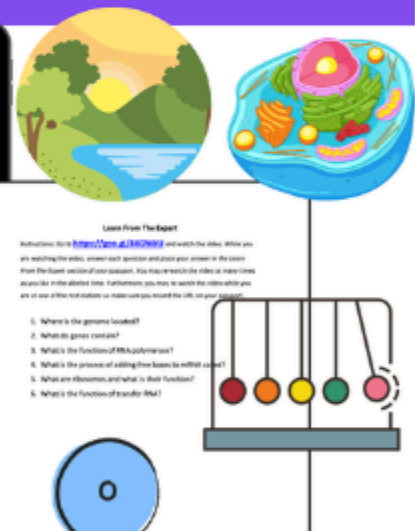
7 Unique Stations

LAB STATION MEGA BUNDLE ACTIVITY

7 Print-Ready Stations | JUST PRINT & GO

Station 2

Research – Using your search engine, research: artificial photosynthesis. How does it work? How does it differ from natural photosynthesis? What are the advantages and disadvantages of using it?



★★★★★ Extremely satisfied - Love that it provides a chance for students to... and do something new every...

Over 100 Lab

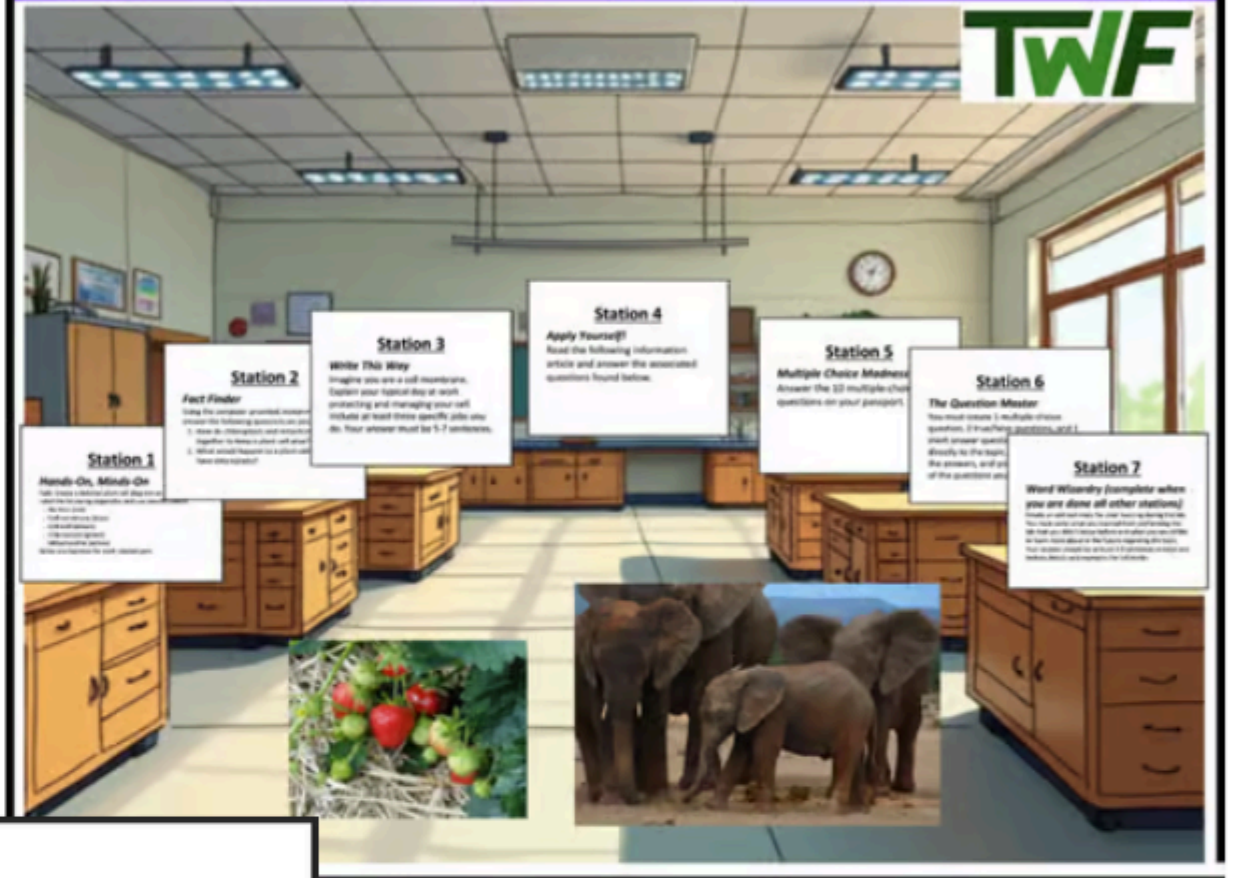
Click to
learn more!

★★★★★ Extremely satisfied - I loved all of the Lab stations!! They are a great class activity and give all my students a chance to participate. Each student can work with their strengths and it's a great review or introductory activity.

Would You Like To Try a Station Activity for FREE?



Asexual and Sexual Reproduction NGSS-MS-LS3-2 Station Activity



Station 1

Hands-On, Minds-On

Draw a Venn Diagram for sexual and asexual reproduction. The left circle should include the characteristics of sexual reproduction and the right circle, asexual reproduction. The middle where they intersect should have what they have in common with each other.

Station 2

Fact Finder

Using the computer provided, research and answer the following questions on your Passport regarding how *drought* affects population sizes in a grassland ecosystem?

Answer the following questions:

1. Name three organisms that reproduce asexually.
2. What are three advantages of sexual reproduction?
3. Why do some organisms use both types of reproduction?

As a special bonus, I want to send you a few resources that you can use in your classroom tomorrow. Completely free and geared towards what you teach!



Just  **and then choose what you teach!**

thanks
**for your interest
in this resource!**

