

# PLANT STRUCTURE

# ESCAPE ROOM

**Station 1: Multiple Choice**

6. What percent of plant life is found in the ocean?

- A. 25%
- B. 45%
- C. 65%
- D. 85%

**Station 2: Paragraphs**

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than one time or not at all. Use the directions below to reveal the 4-digit code and letter.

**Station 3: True or False**

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values to reveal your letter clue. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

**Logic Puzzle**

The FIRST number of the lock is the number of main parts that vascular plants have MINUS 2.

The THIRD number of the lock is the year the corpse plant was discovered MINUS 1870.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

**Plant Structure Text**

Flowers include a stigma and style, collectively known as the \_\_\_\_\_. The stigma is the tube located in the center of the flower. The style is the tube located in the center of the flower for reproduction and begins with pollination. Flowers are used for reproduction and begins with pollination. Flowers contain dust particles called pollen that fertilize eggs called ovules. The fertilized ovule then develops into a seed but can take many weeks to form. A flower's anther makes the pollen. Bees, hummingbirds, and other pollinators help the spread of pollen that fertilizes the eggs. When the pollinators visit flowers to collect \_\_\_\_, a sweet substance, they collect pollen on their body without knowing it. When they go to the next flower, the pollen is transferred to the new flower and fertilization begins.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

**THINK TANK**

STATIONS ACTIVITY

# WHAT'S INCLUDED?

- ✓ READING PASSAGE
- ✓ 5 STATIONS
- ✓ TEACHER GUIDE
- ✓ ANSWER KEY
- ✓ STUDENT DIRECTIONS
- ✓ TEXT MARKING OPTION
- ✓ PROP SIGNS

## STATION 1: FILL IN THE BLANK

Use your reading passage to determine the missing words in the paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER for each missing word, in the same order in which they appear in the paragraph. Then, record the clue LETTER on your answer sheet.

## STATION 2: PARAGRAPHS

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than one time or not at all. Follow the directions below to reveal the 4-digit code and letter clue.

## STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that corresponds with that question. If the statement is false, cross out that coin value. When you are finished add the TOTAL of ALL TRUE coin values to reveal your letter clue. One digit of the code has been provided for you. If the total is 625, a 6 would go in the first box, the 2 in the second box and so on.

## STATION 4: COMBINATION

Use your reading passage to determine the combination to the 4-digit lock for this station. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order. There is room on your answer sheet to do the math.

## STATION 5: MULTIPLE CHOICE

Answer each multiple-choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal your 4-digit code. Letters may be used more than once or not at all. If a letter option is not used, put a zero in that box on your answer sheet.

## ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION CODES

LETTER CLUE

STATION 1  
→     (CODE)

STATION 2  
A B C D E F

STATION 3  
→     (CODE)

# ENTER

1

2

3

## TEACHER DIRECTION

- 1 Print the reading passage found on [pages 5-6](#) for EACH (front and back).
- 2 Print the answer recording sheet on [page 12](#) for each student group of students.

RECAP: Print pages 5, 6, and 12 for students.

# STATION

# 5

# BLUE

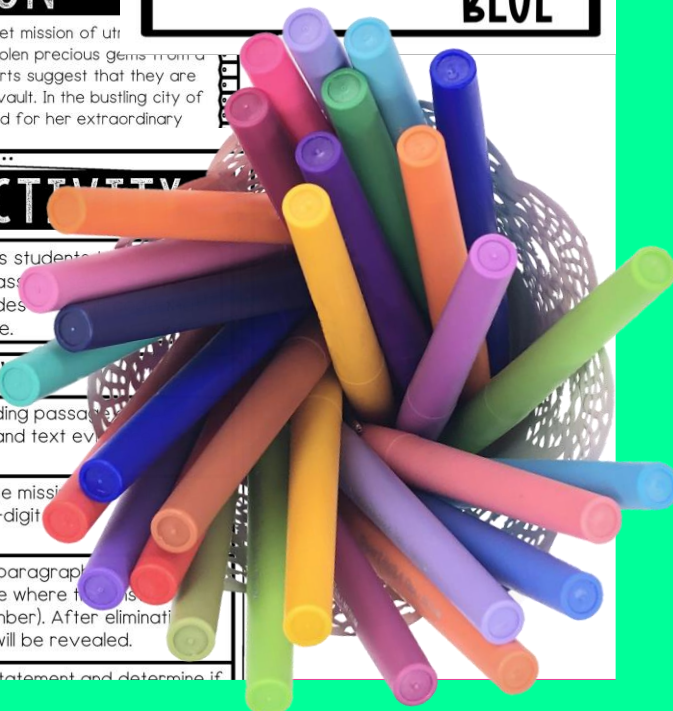
## THE MISSION

You have been assigned a top-secret mission of utmost importance. A notorious thief has stolen precious gems from a prominent lady, and intelligence reports suggest that they are hidden in a heavily guarded secret vault. In the bustling city of Oakville, Lady Victoria was renowned for her extraordinary

## ABOUT THIS ACTIVITY

The reading passage in this packet allows students to practice their comprehension skills after reading the passage. Students will be searching for evidence. Each station includes a question that will reveal a letter clue.

	OVERVIEW
READING PASSAGE	Students will use the reading passage at each station seeking answers and text evidence.
STATION 1	Students will determine the missing words in the paragraph to reveal a 4-digit code.
STATION 2	Students will number the paragraphs on the reading passage to determine where the statements can be found (paragraph number). After eliminating the incorrect numbers, a 4-digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false. If the statement is true, they will color the coin on their answer sheet that corresponds with that question. If the statement is false, they will cross out that coin value. When they are finished, they will add the total of all true coin values to reveal their letter clue.



# 5 STATIONS

## STATION 5: MULTIPLE CHOICE

Answer each multiple-choice question below. Then, count the number of times you used each letter answer (ABCD) to reveal the code. Letters may be used more than once or not at all. If an option is not used, put an X in that box on your answer sheet.

1. What is the part of a flower that attaches to the stem? *(Clue: This part contains yellow pollen sacs called stamens.)*

A. Node  
B. Cuticle  
C. Epidermis  
D. Stomata

2. The absorbent part of a flower is called the \_\_\_\_\_.

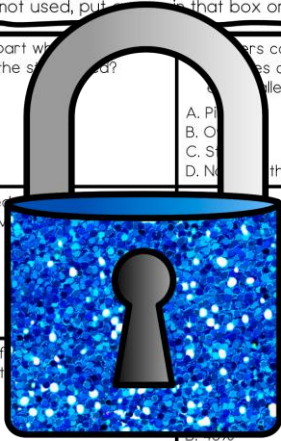
A. Xylem  
B. Chloroplasts  
C. Palisade  
D. Mitochondria

3. What type of Kingdom Plant?

A. Multicellular  
B. Eukaryotic  
C. Autotrophic  
D. All of the above

A. 10%  
B. 20%  
C. 65%  
D. 85%

Count how many times you used each letter answer to determine the 4-digit code and record it on your answer sheet.



## ANSWER RECORDING SHEET

Record your answers for each station on this sheet. Then, use the directions below to determine final 4-digit ALPHA code. Ex: HBDR

STATION CODES	LETTER CODE
STATION 1: [ ] [ ] [ ] [ ]	[ ]
STATION 2: A B C D E F	[ ]
STATION 3: A 75 B 25 C 50 D 100 E 100 F 75 G 50 H 25	[ ]
STATION 4: Do your math in this area:	[ ]
STATION 5: 1 2 3 4 5 6	[ ]

Do your math in this area:

1 2 3 4 5 6

A# [ ] B# [ ] C# [ ] D# [ ]

## STATION 4: COMBINATION

Use your reading passage to determine the combination to the 4-digit lock for this station. You're going to have to use your critical thinking skills and do a tiny bit of math. Pay attention because the "clues" below are NOT in order. There is room on your answer sheet to do the math.

1. The LAST number of the lock is the number of plants that possess M.

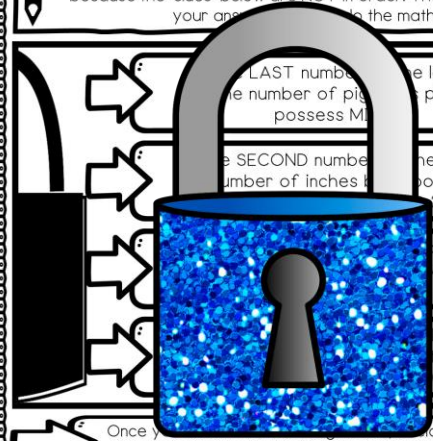
2. The SECOND number of the lock is the number of inches that can grow to 30.

3. The third number of the lock is the number of vascular.

4. The fourth number of the lock is the number of was.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN    ALL ODD    COMBO



## STATION 1: FILL IN THE BLANKS

Use your reading passage to determine the missing word in each paragraph below. Each missing word has a corresponding NUMBER. The 4-digit code for this station will be the NUMBER of each missing word in the order in which they appear in the paragraph. The code will be recorded on your answer sheet.

1. opening    4. petiole    7. next

2. erythrin    5. yellow    8. close

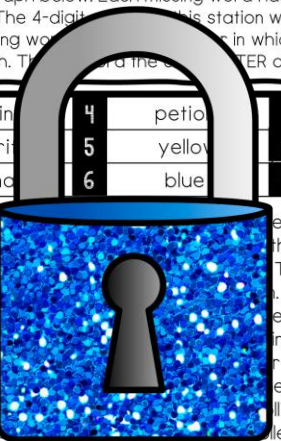
3. stomata    6. blue    9. pistil

Flowers are \_\_\_\_\_, respectively known as the \_\_\_\_\_ of the flower. The \_\_\_\_\_ is the center of the flower. The \_\_\_\_\_ is the part of the flower for reproduction. Flowers are \_\_\_\_\_ dust particles. The \_\_\_\_\_ are eggs called ovules. The \_\_\_\_\_ take many weeks to develop into a seed. Bees, hummingbirds, and butterflies help the spread pollen that fertilizes the \_\_\_\_\_ to collect \_\_\_\_\_ to collect pollen. When they go to the next flower, pollen is transferred to the new flower and fertilization.

Once you determine the 4-digit code, decide if the code uses all EVEN #s, all ODD #s or a combination of both.

ALL EVEN    ALL ODD    COMBO

B    H    M



## STATION 3: TRUE OR FALSE

Read each statement below and determine if it is true or false. If the statement is true, color the coin on YOUR answer sheet that matches that question. If the statement is false, cross out that coin. Once you are finished coloring the coins, add the TRUE coin values together to determine the final 4-digit code. One digit is provided for you: 625, a 6 would be the first box, and the second box would be \_\_\_\_\_.

A 75    A. Sunlight is absorbed through chlorophyll, a green pigment or chemical.

B 25    B. The parts of a plant below ground are known as the root system.

C 50    C. \_\_\_\_\_ data.

D 100    D. \_\_\_\_\_ mesophyll.

E \_\_\_\_\_ plant.

F \_\_\_\_\_ plant food.

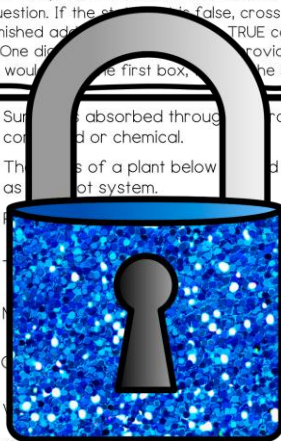
G \_\_\_\_\_ phytophytes.

H. Plants are known as autotrophs because they make their own food source.

After shading the coins on your answer sheet, add the TRUE statements to get the final total.

275    300    3

G    D



## STATION 2: PARAGRAPHS

First, number ALL the paragraphs on your reading passage. Then, read each statement below and determine which paragraph NUMBER the statement can be found in. Paragraph numbers MAY be used more than once or not at all. Follow the directions below to determine the 4-digit code and letter clue.

A Carotenoids absorb bluish-green light, making them red, orange, or yellow pigments.

B Sunlight is absorbed through chlorophyll, a green compound.

C The part where the stem meets the leaf is called a node.

D The stigma is the part of the flower.

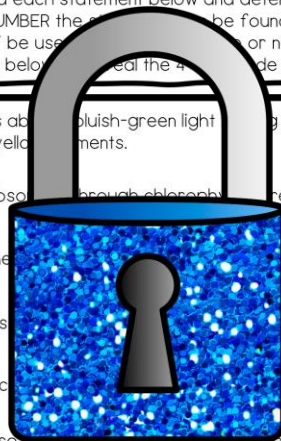
E Most plants are autotrophic and have vascular tissue.

F The stem also moves plant food that is made in the leaves, to the roots.

ELIMINATE the highest and lowest used paragraph numbers and record the remaining 4-digit code on your answer sheet. Decide which paragraph number was NOT used as a CODE answer.

NO 4    NO 6    NO 7

L    C    W



# STATIONS

## ABOUT THIS ACTIVITY

The reading passage in this packet allows students to work on comprehension skills after reading the passage several times searching for evidence. Each station includes a 4-digit code that will reveal a letter clue.


### OVERVIEW

READING PASSAGE	Students will use the reading passage at EACH station seeking answers and text evidence.
STATION 1	Students will determine the missing words in the paragraph to reveal a 4-digit code.
STATION 2	Students will number the paragraphs and browse the passage to determine where the answers can be found (paragraph number). After eliminating numbers, a 4-digit code will be revealed.
STATION 3	Students will read each statement and determine if it is true or false. They will then ADD all TRUE values to find the 4-digit code.
STATION 4	Students will do some basic math here, read the passage to find the answers and then determine the 4 digit code.
STATION 5	Students will answer 6 multiple choice questions which lead them to a 4 digit code based on the number of times they used each "ABCD" answer.
TEXT MARKING	OPTIONAL: A color code chart is included in case you want students to mark the text, citing evidence of where they found their answers. (This will increase completion time)

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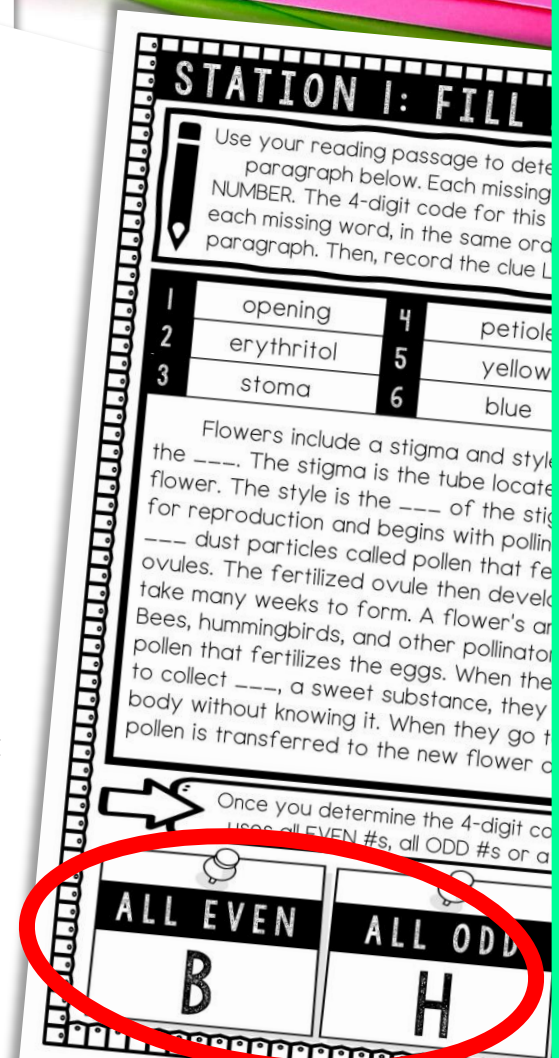
**STUDENTS WILL  
USE THE SAME  
READING  
PASSAGE AT  
EACH STATION  
SEEKING  
ANSWERS AND  
TEXT EVIDENCE.**

# HOW IT WORKS



ENGAGING READING  
COMPREHENSION PRACTICE!

- 1 Students work individually (or in pairs) and visit 5 stations, answer questions, decipher a 4-digit code at each station and grab a "letter" clue for the final alpha code.
- 2 Students will answer the questions (found directly in the passage) on their own recording sheet. Students will have to revisit their reading passage several times at EACH station skimming for answers.



**STATION 1: FILL**

Use your reading passage to determine the missing word in the paragraph below. Each missing word is represented by a 4-digit code. Record the 4-digit code for each missing word, in the same order as the words appear in the paragraph. Then, record the clue letter for each word.

1	opening	4	petiole
2	erythritol	5	yellow
3	stoma	6	blue

Flowers include a stigma and style. The stigma is the tube located at the top of the flower. The style is the tube of the flower for reproduction and begins with pollen. The style is covered with dust particles called pollen that fertilize the ovules. The fertilized ovule then develops into a seed. It takes many weeks to form. A flower's attractants include Bees, hummingbirds, and other pollinators. The pollinators collect pollen that fertilizes the eggs. When the pollinators visit to collect nectar, a sweet substance, they transfer the pollen to the new flower.

Once you determine the 4-digit code for each missing word, use all EVEN #s, all ODD #s or a combination of even and odd numbers to determine the letter.

ALL EVEN	ALL ODD
B	H

# BENEFITS

- ✓ STATIONS AND MOVEMENT
- ✓ CLOSE READING
- ✓ COMPREHENSION SKILLS
- ✓ SECRET CODES
- ✓ CITING EVIDENCE
- ✓ CRITICAL THINKING
- ✓ PRINT AND GO
- ✓ ACTIVE LEARNING
- ✓ CROSS-CURRICULAR
- ✓ HIGHLY ENGAGING
- ✓ NO LOCKS NEEDED
- ✓ NO SILLY ENVELOPES TO STUFF
- ✓ NO ODD SHAPES TO CUT OUT



**Everything a teacher dreams of wrapped up into one FUN and engaging activity!**

# USE FOR:



**ANTICIPATORY SETS**



**UNIT REVIEW**



**EARLY FINISHERS**



**STATIONS**



**REWARD ACTIVITY**



**CENTERS**



**SUB PLANS**



**PARTNER WORK**



**ENRICHMENT**

