

PLANT STRUCTURE

ESCAPE ROOM

PLANT STRUCTURE

the earth in the form of grass, flowers, trees, bushes, and some other organisms vital to keeping the earth healthy and keeping the atmosphere clean. Plants are known as autotrophs because they make their own food through a process called photosynthesis. This process releases necessary oxygen into the atmosphere. Plants are part of the kingdom plantae. They absorb carbon dioxide from the atmosphere through small openings called stomata. Plants are part of the root system, which anchors them to the ground and absorbs water and nutrients. Plants are classified as vascular or nonvascular. Vascular plants, or angiosperms, have a specialized transport system consisting of xylem and phloem. They transport water and nutrients through the plant through specific tissue or tubes. Nonvascular plants, also known as angiosperms, do not have a specialized transport system. They transport material through the plant through diffusion or osmosis. Angiosperms, including flowering plants, also known as angiosperms, use the process of diffusion or osmosis to transport material. Mosses and ferns, on the other hand, do not have roots, stems, or leaves. Moss is an example of a nonvascular plant.

LEVEL 1 DECODER

A	B	C	J	K	L
D	E	F	M	N	O
G	H	I	P	Q	R
T	S	U	X	W	Y
			Z		

L=2	J=q	F=1
R=0	W=4	A=6
T=8	G=3	Z=5
Q=7	D=9	P=0
H=1	Y=8	B=3
N=4	C=6	K=1

LEVEL 2 DECODER

FIND THE VALUE OF EACH LETTER

A =

RECORDING SHEET

Q1	Q2	Q3	Q4
#	#	#	#

THINK TANK

LEVEL 1: QUESTION 2

What is the stalk of a leaf called?

<input type="checkbox"/>	Node
<input type="checkbox"/>	Ramp
<input type="checkbox"/>	Phloem
<input type="checkbox"/>	Petiole

LEVEL 1: QUESTION 4

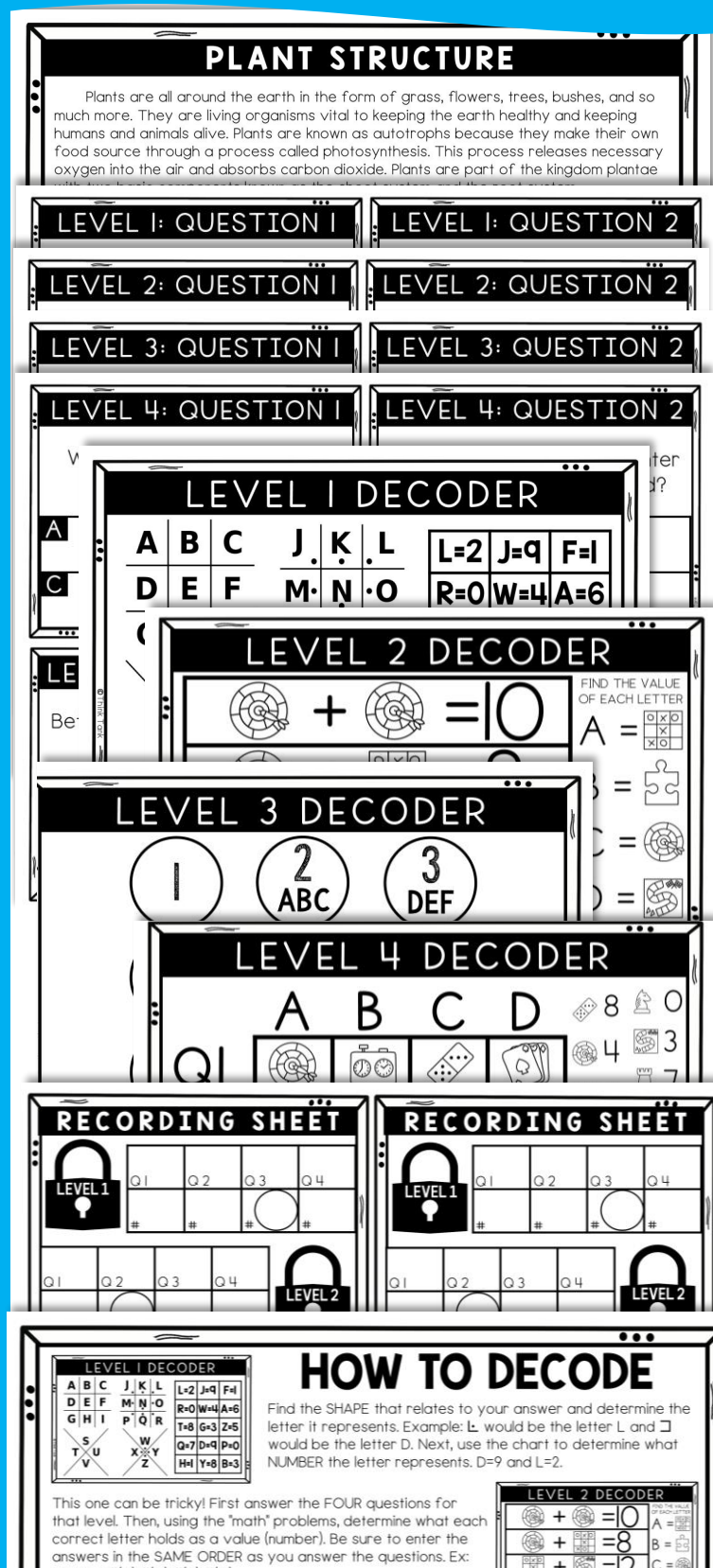
How is sunlight absorbed in plants?

Chlorophyll

DECODER

2	3
ABC	DEF
5	6
JKL	MNO
8	9
TUV	WXYZ

WHAT'S INCLUDED?



- ✓ READING PASSAGE
- ✓ 4 PUZZLE DECODERS
- ✓ 16 MULTIPLE CHOICE Q'S
- ✓ TEACHER GUIDE
- ✓ ANSWER KEY
- ✓ STUDENT DIRECTIONS
- ✓ HINT CARDS



16 QUESTIONS

PLANT STRUCTURE
The earth in the form of grass, flowers, and other organisms vital to keeping the earth green. Plants are known as autotrophs because they produce their own food through the process of photosynthesis. Plants are classified as vascular or nonvascular plants based on the shoot system and whether they have roots, stems, and leaves. Vascular plants have roots, stems, and leaves. Nonvascular plants do not have roots, stems, and leaves.

LEVEL 1: QUESTION 1
Tracheophytes are also known as ___ plants.
A Indoor B Vascular
C Biome D Nonvascular

LEVEL 1: QUESTION 2
What is the part of a leaf called that carries water and nutrients?
A Phloem B Xylem
C Petiole D Stomata

LEVEL 2: QUESTION 1
What is the part of a leaf that attaches to a stem called?
A Sucker B Node
C Amp D Diode

LEVEL 1: QUESTION 3
Plants are living _____.
A Biotic B Abiotic
C Biotic and Abiotic D Neither

RECORDING SHEET
LEVEL 1
Q1 Q2 Q3 Q4
#

LEVEL 4: QUESTION 1
What are the tiny holes in leaves called?
A Chlorophyll B Xylem
C Stigmata D Stomata

LEVEL 4: QUESTION 2
What is the process through which a plant makes its own food?
A Biometrics B Telekinesis
C Photosynthesis D Xeroxing

LEVEL 3: QUESTION 1
What is the process through which a plant makes its own food?
A Biometrics B Telekinesis
C Photosynthesis D Xeroxing

LEVEL 3: QUESTION 2
Bees are pollinators that collect _____.
A Flowers B Nectar
C Honey D Anthers

LEVEL 3: QUESTION 3
Flowers include a stigma and style, collectively known as the _____.
A Petiole B Ovary
C Sepal D Pistil

LEVEL 3: QUESTION 4
The parts of a plant above ground are known as the _____.
A Root system B Shoot system
C Stem D Flower

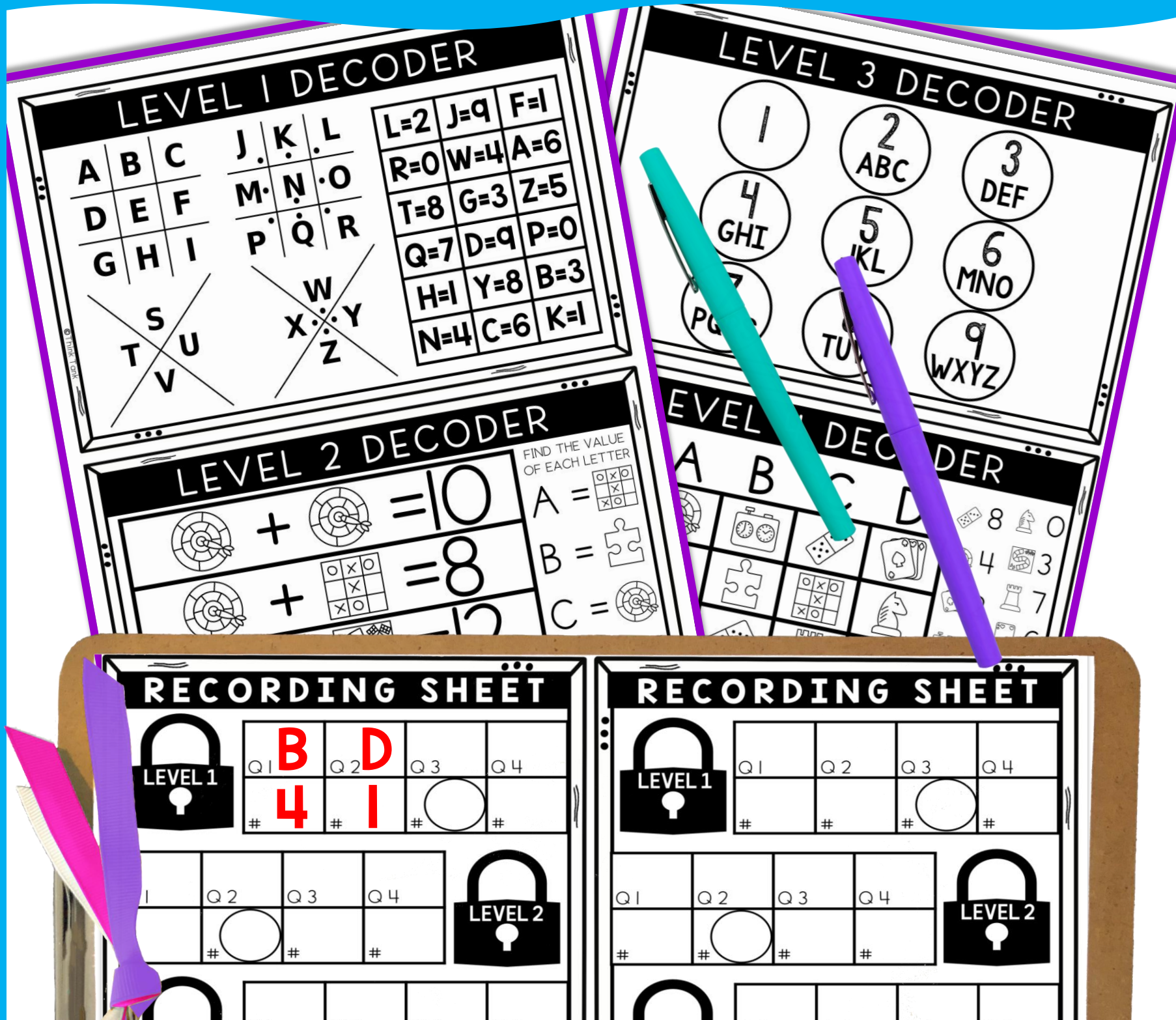
LEVEL 1 DECODER
B C J K L
E F M N O
H I P Q R
U X W Y
Z

LEVEL 2
+ [Grid with X and O] +
+ [Grid with X and O] +
+ [Grid with X and O] +

LEVEL 3 DECODER
1 2 3
4 5 6
7 8 9
WXYZ

LEVEL 4 DECODER
A B C D
Q1 [Grid with icons] 8 9 0
Q2 [Grid with icons] 4 5 3
Q3 [Grid with icons] 2 7 6


PUZZLE TYPES



PRINT, CUT, PLAY



HOW IT WORKS



ENGAGING READING COMPREHENSION PRACTICE!

1

Students work individually (or in pairs) and visit 16 question cards.

2

Students will answer the questions found directly in the passage on their recording sheet.

3

Students will use that specific “decoder” to reveal a 4-digit code for each level.

PLANT STRUCTURE

Plants are all around the earth in the form of grasses and trees, and much more. They are living organisms vital to keeping humans and animals alive. Plants are known as autotrophs because they are a food source through a process called photosynthesis. They take in carbon dioxide and oxygen into the air and absorb carbon dioxide. Plants are made up of two basic components known as the shoot system and the root system. Most plants can be classified as vascular or nonvascular.

LEVEL 1 DECODER

A	B	C
D	E	F
G	H	I

J	K	L
M	N	O
P	Q	R

L=2	J=9	F=1
R=0	W=4	A=3
T=8	G=3	Z=6
Q=7	D=9	P=0
H=1	Y=8	B=3
N=4	C=6	K=1

LEVEL 1: QUESTION 1

Tracheophytes are also known as ____ plants.

Indoor

Biome

Vascular

Nonvascular

LEVEL 1: QUESTION 2

What is the function of a leaf?

Phloem

Petiole

LEVEL 1: QUESTION 3

Plants are living ____.

Theocrites




LEVEL 1: QUESTION 4




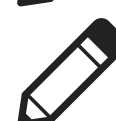
How is sunlight used in plants?

BENEFITS



THINK OUTSIDE THE BOX!

-  ANTICIPATORY SETS
-  UNIT REVIEW
-  EARLY FINISHERS
-  STATIONS
-  SUB PLANS
-  PARTNER WORK
-  ENRICHMENT

-  LOW PREP
-  PRINT, CUT & PLAY
-  CROSS-CURRICULAR
-  HIGHLY ENGAGING

