

ECOSYSTEMS AND BIOMES

ESCAPE ROOM

ECOSYSTEMS AND BIOMES

...s work together and often get confused for one another. What is the way plants, animals, and other organisms survive in a geographical area. An ecosystem can be as small as a puddle or as large as several hundred square miles. A biome is a large group of ecosystems, such as deserts, rainforests, and grasslands, regardless of location, that can exist by itself. Every ecosystem has one organism, plant, or animal that can exist by itself. Every ecosystem has other things in order to live. An ecosystem is the way living organisms and one another, the water, air, soil, and sunlight around them, all work together to form a part of a larger biome. There are seven land biomes on Earth. The land biomes include the Desert, Grasslands, Savanna, Tropical Rainforest, and Tundra. The aquatic biomes include the Ocean, Freshwater, and Saltwater.

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
V			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

+

○	×	○
×	×	○
○	×	○

= 10

FIND THE VALUE OF EACH LETTER

A =

○	×	○
×	×	○
○	×	○

LEVEL 1: QUESTION 2

Over --- percent of life on Earth lives in the ocean.

<	50	>	70
<	30	>	90

LEVEL 1: QUESTION 4

What is the largest hot desert in the world?

Kalahari

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3
#	#	#	#

THINK TANK

THINK TANK

WHAT'S INCLUDED?

ECOSYSTEMS AND BIOMES

Ecosystems and biomes work together and often get confused for one another. What is the difference? An ecosystem is the way plants, animals, and other organisms survive together in a specific geographical area. An ecosystem can be as small as a puddle or patch of grass, or as large as several hundred square miles. A biome is a large group of similar ecosystems regardless of location, such as deserts, rainforests, and grassland plains. On Earth, there is no one organism, plant, or animal that can exist by itself. Everything

LEVEL 1: QUESTION 1 LEVEL 1: QUESTION 2

LEVEL 2: QUESTION 1 LEVEL 2: QUESTION 2

LEVEL 3: QUESTION 1 LEVEL 3: QUESTION 2

LEVEL 4: QUESTION 1 LEVEL 4: QUESTION 2

LEVEL 1 DECODER

A	B	C	J	K	L	L=2	J=9	F=1
D	E	F	M	N	O	R=0	W=4	A=6

LEVEL 2 DECODER

FIND THE VALUE OF EACH LETTER

A =

0	0
X	0
X	0

LEVEL 3 DECODER

1 2 3

ABC DEF

LEVEL 4 DECODER

A B C D 8 0

Q 4 3

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3	Q4
	#	#	#	#

HOW TO DECODE

A	B	C	J	K	L	L=2	J=9	F=1
D	E	F	M	N	O	R=0	W=4	A=6
G	H	I	P	Q	R	T=8	G=3	Z=5
S	U	V	X	Y	Z	Q=7	D=9	P=0
X	T	U	W	X	Y	H=1	Y=8	B=3

Find the SHAPE that relates to your answer and determine the letter it represents. Example: L would be the letter L and □ would be the letter D. Next, use the chart to determine what NUMBER the letter represents. D=9 and L=2.

LEVEL 2 DECODER

$\odot + \odot = \square$ A =

0	0
X	0
X	0

$\odot + \odot = 8$ B =

0	0
X	0
X	0

$\odot + \odot = 2$ C =

0	0
X	0
X	0

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



16 QUESTIONS

SYSTEMS AND BIOMES
work together and often get confused. The way plants, animals, and other organisms interact in a geographical area. An ecosystem can be as small as a pond or as large as several hundred square miles. A biome is a large area, regardless of location, such as deserts, rainforests, or tundra. Each biome has one organism, plant, or animal that is characteristic of that biome. Other things in order to live. An ecosystem is made up of all the organisms and other things in the area, and one another, the water, air, soil, and so on.

LEVEL 1: QUESTION 1
A ____ is a large group of similar ecosystems regardless of location.

J Food web	A Apex ground
F Biome	D Blossom

LEVEL 1: QUESTION 2
Over ____ percent of Earth lives in the rainforests.

50
30

LEVEL 2: QUESTION 1
What is the top layer of trees in a rainforest called?

A Canopy	B Crest
C Crown	D Subterranean

LEVEL 1: QUESTION 3
Tropical rainforests are found in ____ forests.

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3	Q4
#	#	#	○	#

LEVEL 1 DECODER

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

LEVEL 4: QUESTION 1
____ forests usually experience all four seasons.

A Tropical	B Equatorial
C Temperate	D Thermal

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3	Q4
#	#	#	○	#

LEVEL 3: QUESTION 1
Where is the Pampas?

A North America	T Antarctica
H South America	L Russia

LEVEL 4: QUESTION 2
How many trees does the Taiga forest have?

A	B
C	D

LEVEL 3: QUESTION 2
The Taiga forest has lots of ____ trees.

E Maple	M Redwood
Y Evergreen	B Birch

LEVEL 3: QUESTION 3
The ____ is cold, treeless and dry.

I Taiga	J
----------------	----------

LEVEL 4: QUESTION 4
The Taiga Forest is also known as a boreal forest.

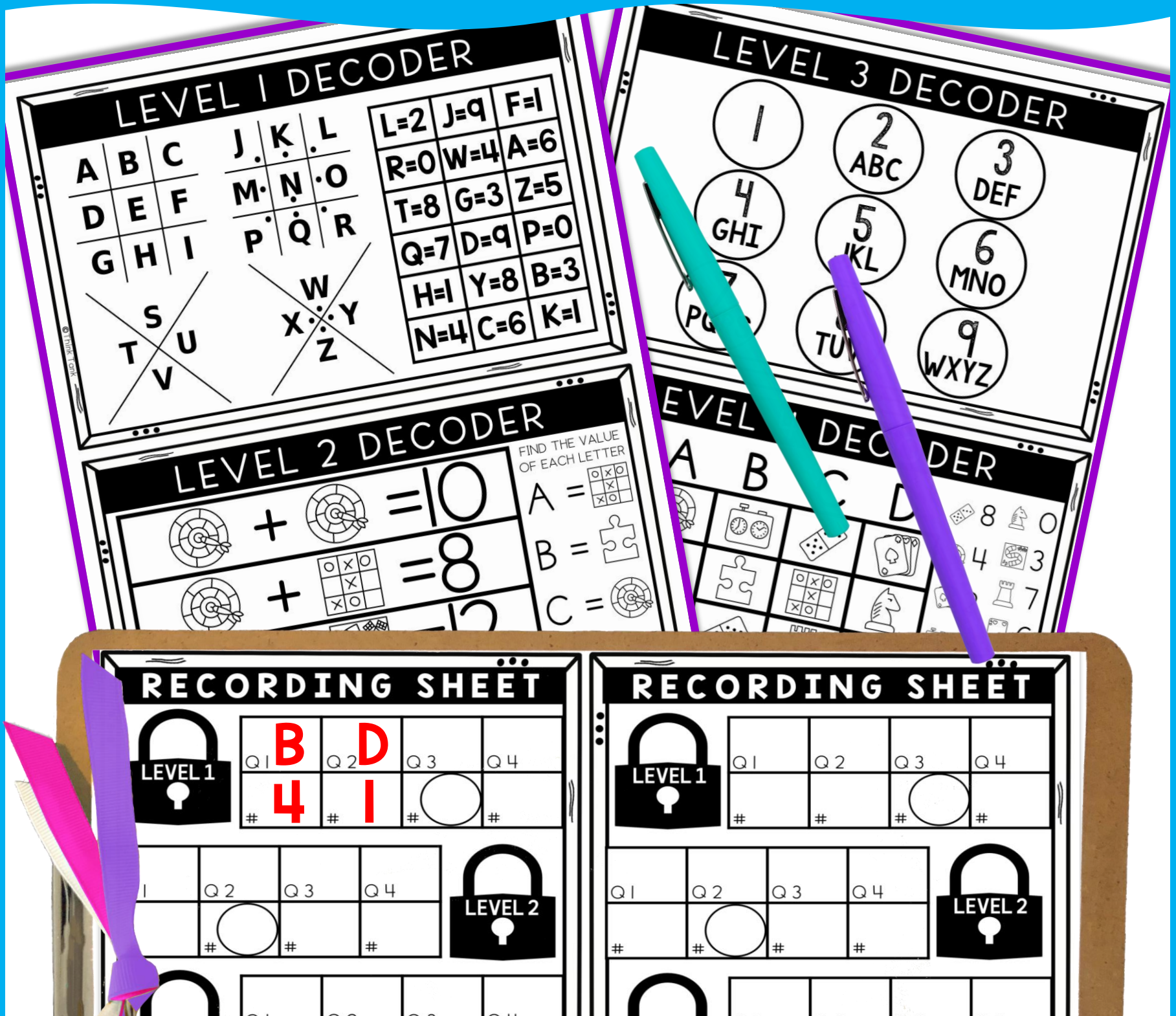
LEVEL 3 DECODER

1	2	3
4	5	6
7	8	9

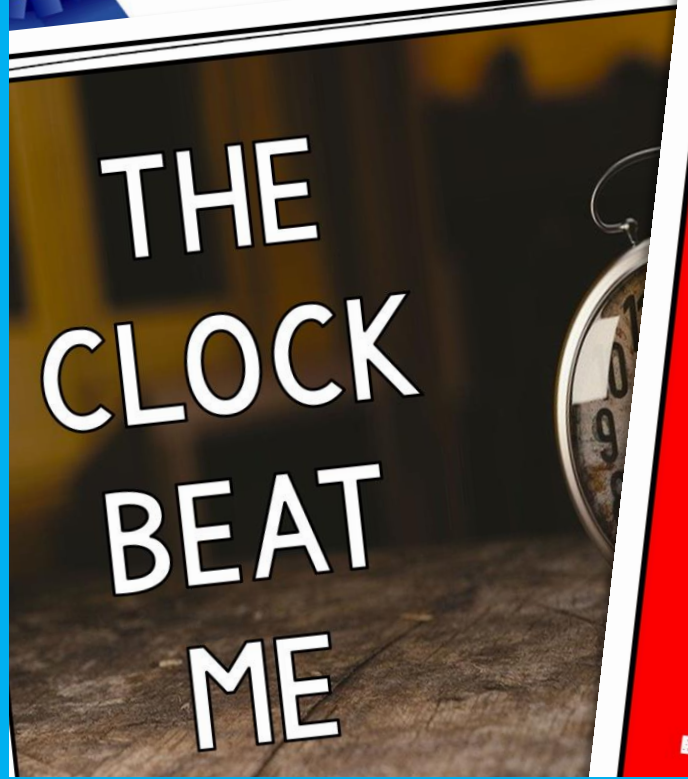
LEVEL 4 DECODER

Q1	A	B	C	D	8	9	0
Q2	○	○	○	○	4	3	3
Q3	○	○	○	○	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.

ECOSYSTEMS AND BIOMES

Ecosystems and biomes work together and often get the difference? An ecosystem is the way plants, animals, together in a specific geographical area. An ecosystem can be a patch of grass, or as large as several hundred square miles of similar ecosystems regardless of location, such as deserts. On Earth, there is no one organism, plant, or animal that lives on Earth needs other things in order to live. An ecosystem is a community of organisms that interact with one another. the water, air, soil, and

LEVEL 1 DECODER

A	B	C	J	K	L	L=2	J=9	F
D	E	F	M	N	O	R=0	W=4	A=
G	H	I	P	Q	R	T=8	G=3	Z=
T S U			W X Y			Q=7	D=9	P=0
V			Z			H=1	Y=8	B=3
						N=4	C=6	K=1

LEVEL 1: QUESTION 1

A --- is a large group of similar ecosystems regardless of location.

Food web

Apex ground

Biome

Blossom

LEVEL 1: QUESTION 2

Over --- per cent of Earth lives in the biosphere.

50

30

LEVEL 1: QUESTION 3

Tropical rainforests are the --- forests.

Coldest




LEVEL 1: QUESTION 4




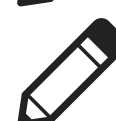
What is the largest desert in the world?

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

