

MOON PHASES

ESCAPE ROOM

MOON PHASES

Earth's largest satellite; a celestial body that orbits a planet. As it orbits Earth it forms an ellipse, not a perfect circle. Because of its elliptical orbit, the Moon's distance from Earth varies throughout its orbit, though different phases each month. A phase is how the Moon appears from Earth.

The Moon's size as seen from Earth is about a quarter the size of the Earth. Due to gravity, something on the Moon is lighter than on the Earth. The nightly temperature on the Moon is about -173°C. The Moon doesn't give off light. The 'moonlight' we see is sunlight reflecting off the Moon. The same half of the Moon always faces Earth. Moon phases always occur over the same part of the Moon's orbit.

As the Moon orbits the Earth, the phases of the Moon change. The part of the Moon that is illuminated by the Sun will reflect its light and become visible. If there was no Sun, the Moon would not be visible.

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 =

0	x	0
x		0
0	x	0

RECORDING SHEET

Q1	Q2	Q3	Q4
#	#	#	#

THINK TANK

LEVEL 1: QUESTION 2

What is the First Quarter Moon also known as?

Half Moon Harvest Moon

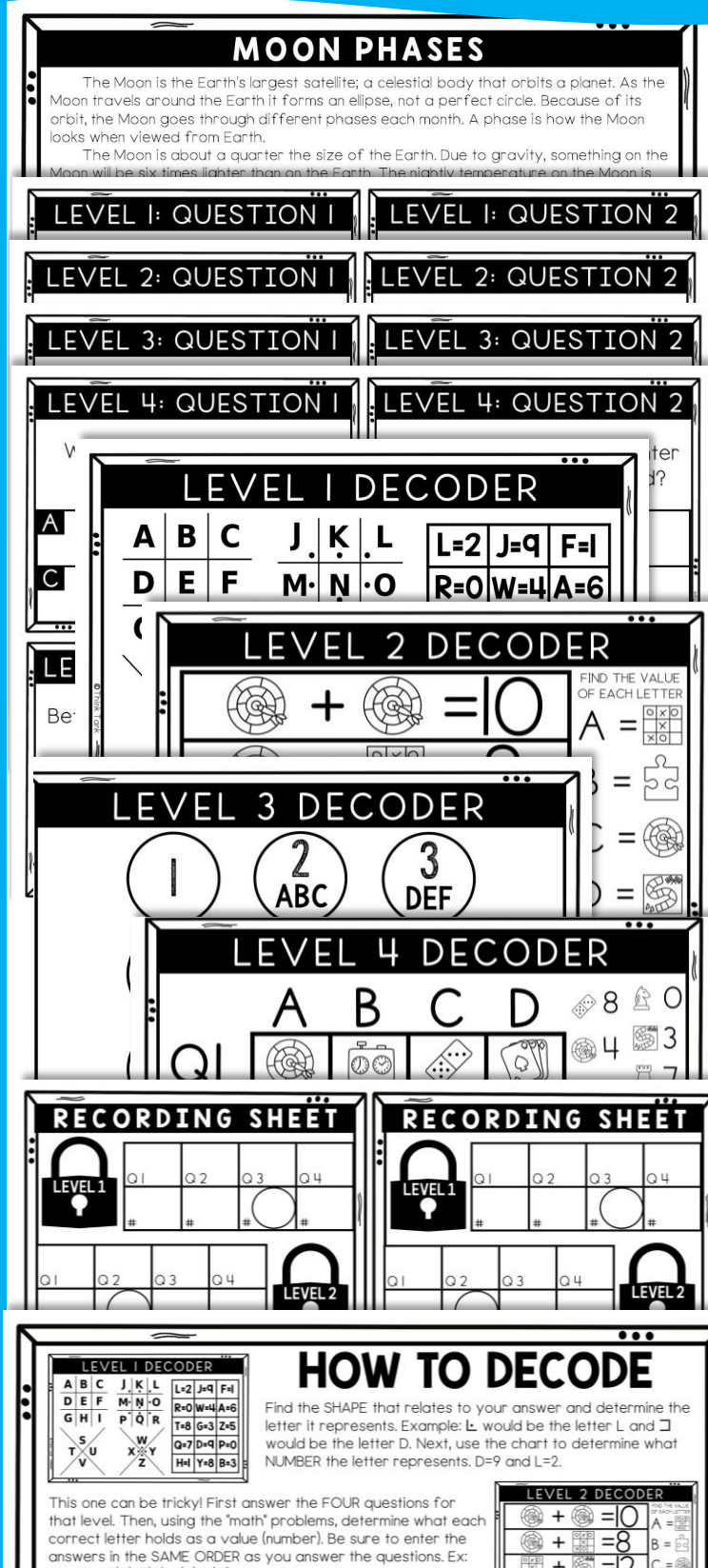
Full Moon Blood Moon

LEVEL 1: QUESTION 4

What is it called when the Moon appears to be getting bigger?

Haloing

WHAT'S INCLUDED?



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



16 QUESTIONS

MOON PHASES
The largest satellite, a celestial body that orbits the Earth. It forms an ellipse, not a perfect circle. It goes through different phases each month. A quarter of the size of the Earth. Due to its distance from the Earth, the light it reflects off the Moon is much dimmer than the light from the Sun. The Moon doesn't give off light of its own. The phases always occur over the same period of time.

LEVEL 1: QUESTION 1
As the Moon travels around the Earth, it forms an ----, not a perfect circle.

J	Ealdorman	A	Equilateral
F	Earthlight	J	Ellipse

LEVEL 1: QUESTION 2
What is the First Moon also known as?

<	Half Moon	>
J	Full Moon	D

LEVEL 2: QUESTION 1
What is a celestial body that orbits a planet known as?

A	Senaite	B	Comet
C	Supernova	D	Satellite

LEVEL 1: QUESTION 3
How many phases of the Moon are there?

L=2	J=q
R=0	W=4
T=8	G=3
Q=7	D=q
H=l	Y=8
N=4	C=6

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

LEVEL 4: QUESTION 1
A full Moon happens about every ---- days.

A	20	B	10
C	40	D	30

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3	Q4
#	#	#	○	#

LEVEL 4: QUESTION 2
Three

A	Four
C	Five

LEVEL 3 DECODER

1	2 ABC	3 DEF
4 GHI	5 JKL	6 MNO
7 PQRS	8 TUV	9 WXYZ

LEVEL 3: QUESTION 1
What is the last phase of the Moon?

A	Waxing Full	T	Waning Crescent
H	Waxing Crescent	L	Waning Quarter

LEVEL 3: QUESTION 2
Something on the Moon will be ---- times lighter than on the Earth.

E	Three	M	Twelve
Y	Six	B	Two

LEVEL 3: QUESTION 3
What is the first phase of the Moon known as?

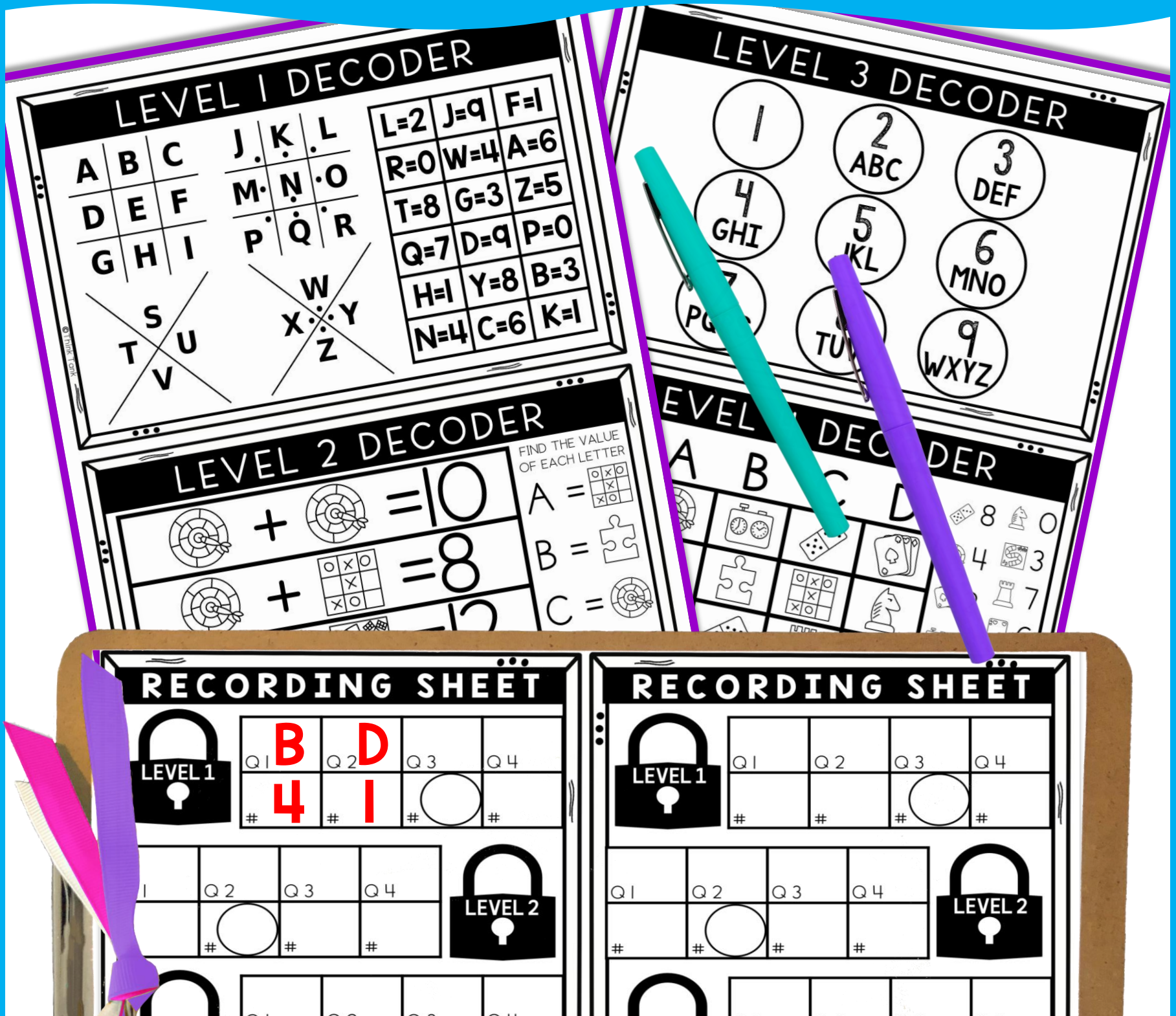
I	No Moon	J	Waxing Crescent
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LEVEL 3: QUESTION 4
When it looks as though it is getting ----, it is called a waxing crescent.

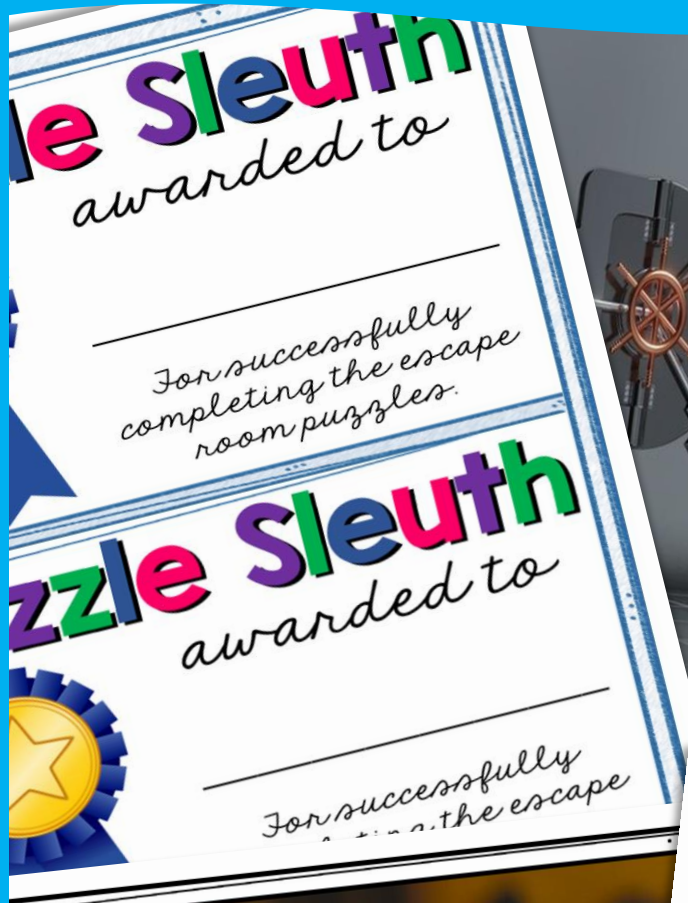
LEVEL 4 DECODER

Q1	A	B	C	D	8	9	0
Q2	○	⌚	🎲	♠	4	5	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.

MOON PHA

The Moon is the Earth's largest satellite; a celestial body that orbits the Earth. As the Moon travels around the Earth it forms an ellipse, not a perfect circle. When the Moon goes through different phases each month, it looks different when viewed from Earth.

The Moon is about a quarter the size of the Earth. It is also much colder. The Moon will be six times lighter than on the Earth. The night temperature is about -280 degrees Fahrenheit. The Moon doesn't give off light of its own, it is actually the Sun's light reflecting off the Moon's surface.

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=q	P=0
V			Z			H=1	Y=8	B=3
						N=4	C=6	K=1

LEVEL 1: QUESTION 1

As the Moon travels around the Earth, it forms an ----, not a perfect circle.

Ealdorman

Equilateral

Earthlight

Ellipse

LEVEL 1: Q

What is the Moon also called?

Half Moon

Full Moon

LEVEL 1: QUESTION 3

How many phases of the Moon are there?

Four






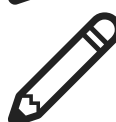
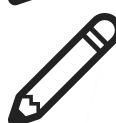
LEVEL 1: QU

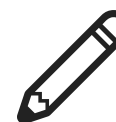



What is it called when the Moon appears to be getting bigger?

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

