

PLUTO

ESCAPE ROOM

PLUTO

100-pound person on Earth would only weigh 7 pounds on Pluto. Pluto is located in the Solar System, is a dwarf planet that orbits the sun. It is located in a region beyond the eighth planet of Neptune, which contains many other objects. Pluto was first discovered in 1930 by astronomer Clyde Tombaugh. For 75 years, it held onto that title. However, in 2006, the International Astronomical Union (IAU), an organization of scientists from all over the world, reclassified Pluto as a dwarf planet. A girl named Venetia Burney, named after the Roman god of the underworld, discovered Pluto using a telescope in Flagstaff, Arizona. Pluto was considered the world alongside his brothers: Jupiter controlled the sky, Saturn ruled the sea, and Pluto controlled the underworld.

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

LEVEL 1	Q1	Q2	Q3	Q4
	#	#	#	#

LEVEL 1: QUESTION 2

What spacecraft was the first to explore Pluto?

<input type="checkbox"/> Explorer	<input checked="" type="checkbox"/> Sputnik IV
<input type="checkbox"/> New Horizons	<input type="checkbox"/> Discovery

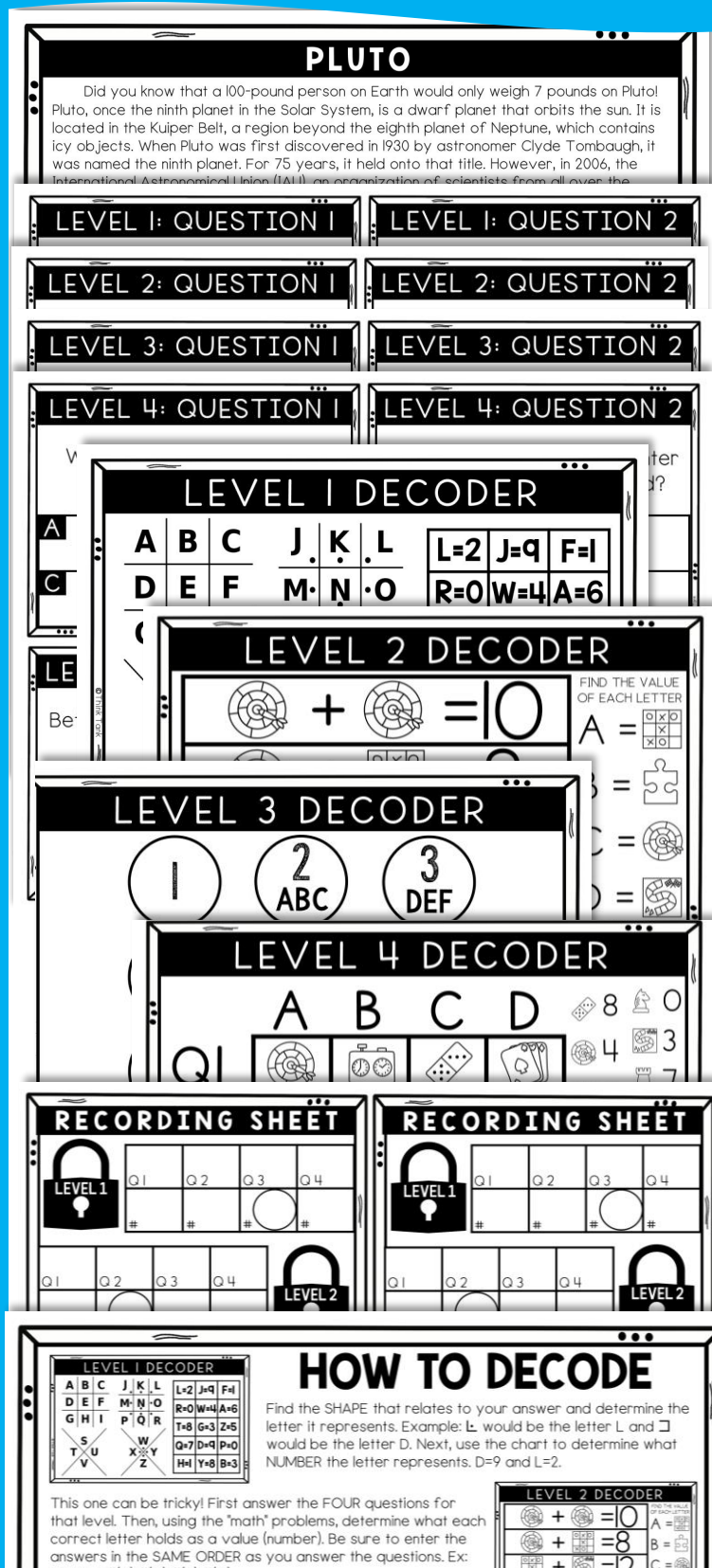
LEVEL 1: QUESTION 4

The IAU is the International --- Union.

Aerospace

THINK TANK

WHAT'S INCLUDED?



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



16 QUESTIONS

PLUTO
A 100-pound person on Earth would only weigh 2.5 pounds on Pluto. Pluto is a dwarf planet in the Solar System, located in a region beyond the eighth planet, Neptune. It was first discovered in 1930 by astronomer Clyde Tombaugh. For 75 years, it held onto that title as the ninth planet. In 2006, the International Astronomical Union (IAU), an organization of scientists, reclassified Pluto as a dwarf planet. The reclassification was based on a new definition of a planet. Pluto is named after the Roman god of the underworld. Its name was chosen by Venetia Burney, a young girl who suggested the name alongside her brother, Charles. Pluto is the only dwarf planet in the Solar System that has a large moon, Charon.

LEVEL 1: QUESTION 1
What year was Pluto's classification changed to dwarf planet?
A 1982 B 2006
C 2014 D 1960

LEVEL 1: QUESTION 2
What spacecraft was first to explore Pluto?
A Explorer B New Horizons
C Voyager D Cassini

LEVEL 2: QUESTION 1
It takes Pluto --- Earth years to complete one revolution around the sun.
A 102 B 248
C 199 D 305

LEVEL 1: QUESTION 3
How many moons does Pluto have?
A 1 B 2
C 3 D 4

RECORDING SHEET
LEVEL 1
Q1 Q2 Q3 Q4
#

RECORDING SHEET
LEVEL 1
Q1 Q2 Q3 Q4
#

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

LEVEL 4: QUESTION 1
Pluto is located in the --- Belt.
A Comotal B Kittle
C Kuiper D Sonar

LEVEL 4: QUESTION 2
Who named Pluto?
A Isaac Newton B Galileo
C Venetia Burney D Rebecca Black

LEVEL 3 DECODER
1 2 3
4 5 6
7 8 9
ABCDEFGHIJKL
MNOPQRSTUVWXYZ

LEVEL 3: QUESTION 1
How much would a 100-pound person on Earth weigh on Pluto?
A 34 pounds B 2 pounds
C 7 pounds D 50 pounds

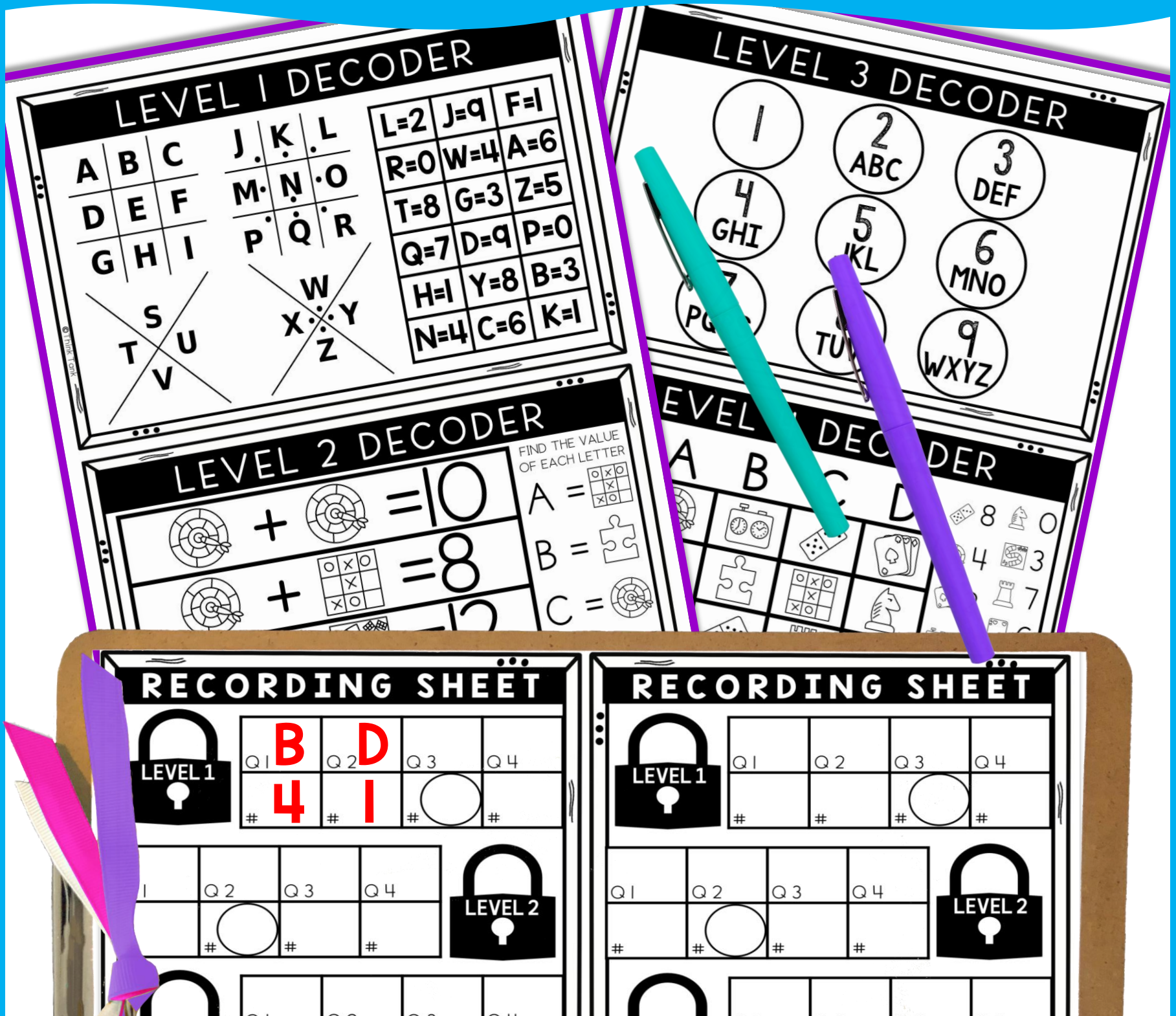
LEVEL 3: QUESTION 2
Who named Pluto?
A Isaac Newton B Galileo
C Venetia Burney D Rebecca Black

LEVEL 3: QUESTION 3
What year was an element named after Pluto?
A 1928 B 1930
C 1938 D 1940

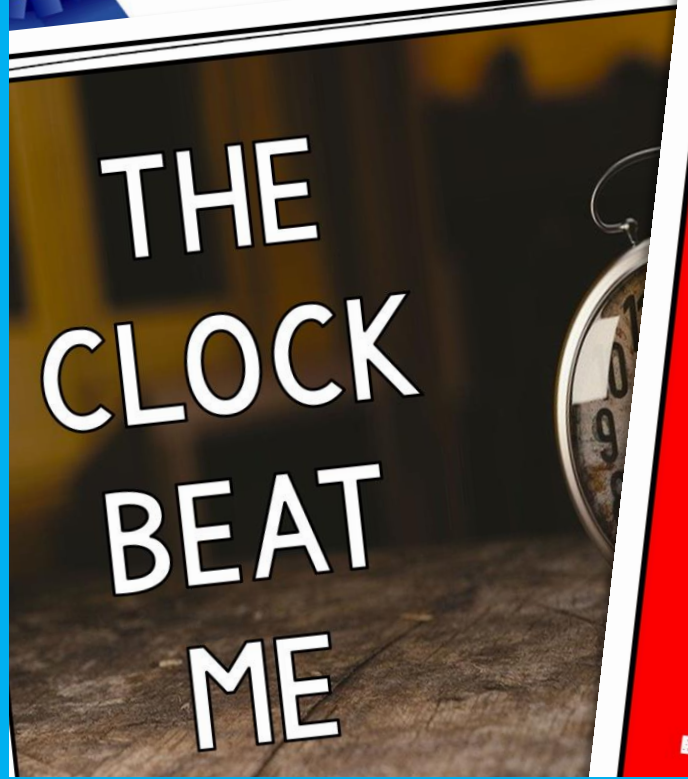
LEVEL 3: QUESTION 4
Pluto's atmosphere is 98% ---.
A Nitrogen B Methane
C Ethane D Carbon Dioxide

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

PLUTO

Did you know that a 100-pound person on Earth would weigh 16 pounds on Pluto, once the ninth planet in the Solar System, is a dwarf planet located in the Kuiper Belt, a region beyond the eighth planet. When Pluto was first discovered in 1930 by Clyde Tombaugh, it was named the ninth planet. For 75 years, it held onto that title until the International Astronomical Union (IAU), an organization of astronomers from around the world, changed its classification to a dwarf planet. Clyde Tombaugh discovered Pluto using a telescope in Flagstaff, Arizona.

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=7
G	H	I	P	Q	R	T=8	G=3	Z=5
T	S	U	X	W	Y	Q=7	D=9	P=6
						H=1	Y=8	B=3
						N=4	C=6	K=1

LEVEL 1: QUESTION 1

What year was Pluto's classification changed to dwarf planet?

1982

2014

2006

1960

LEVEL 1: QUESTION 2

What spacecraft was first to explore Pluto?

Explorer

New Horizons

LEVEL 1: QUESTION 3

How many moons are known to orbit Pluto?

Zero




LEVEL 1: QUESTION 4




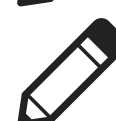
The IAU stands for the International Astronomical Union.

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

