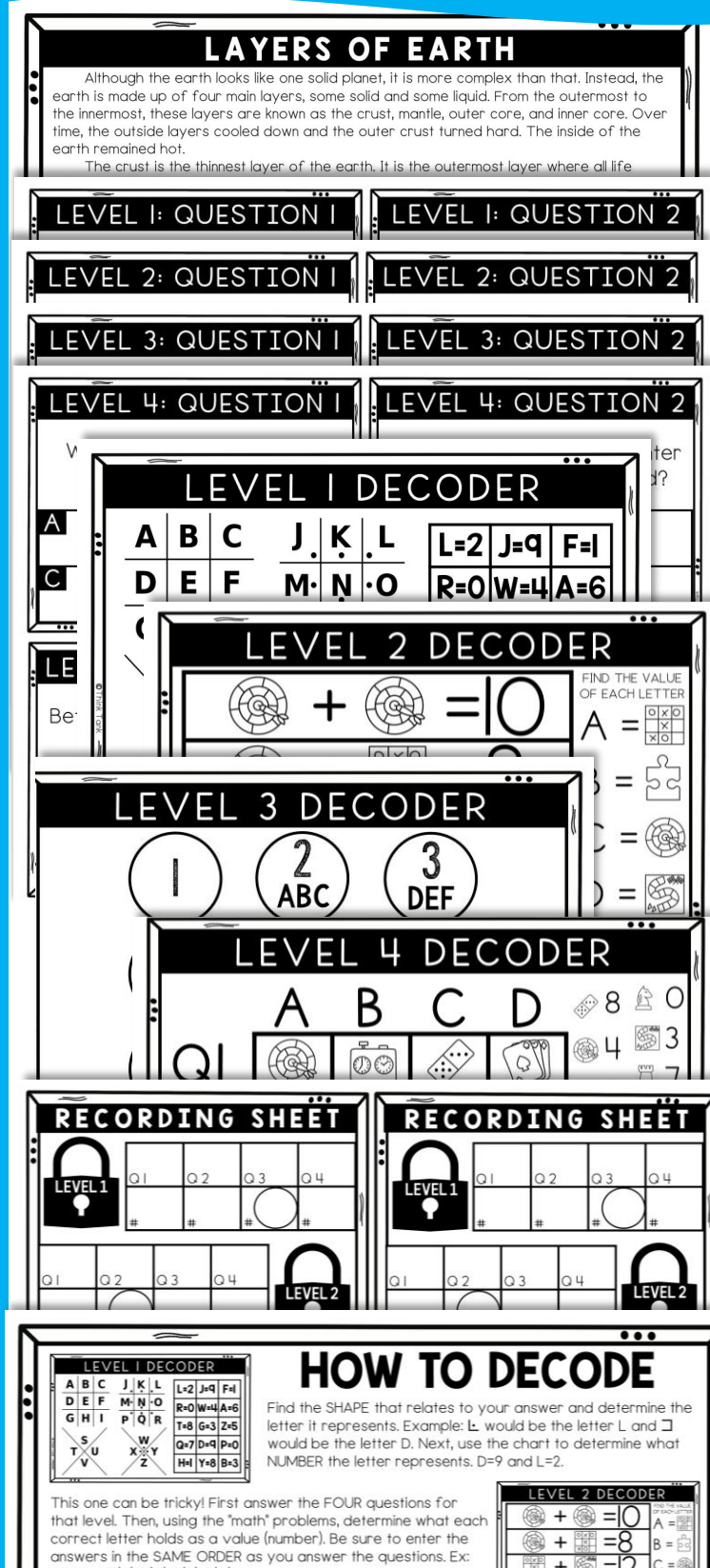


WHAT'S INCLUDED?



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



16 QUESTIONS

LAYERS OF EARTH
The Earth is like one solid planet, it is more complex than it appears. It has several layers, some solid and some liquid. The layers are known as the crust, mantle, outer core, and inner core. The crust is the outermost layer, followed by the mantle, then the outer core, and finally the inner core. The crust is made of solid rock and is about 8km thick. The mantle is made of molten rock and is about 2,900km thick. The outer core is made of molten iron and nickel and is about 2,200km thick. The inner core is made of solid iron and nickel and is about 1,200km thick.

LEVEL 1: QUESTION 1
The Earth is made up of ___ main layers.
A Three B Four
C Five D Six

LEVEL 1: QUESTION 2
What year was the inner core discovered?
A 1919 B 1929
C 1939 D 1949

LEVEL 2: QUESTION 1
What is the outer core made up of?
A Liquid helium B Liquid steel
C Liquid gold D Liquid magma

LEVEL 1: QUESTION 3
Earth is mostly covered by tectonic plates.

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
The layer of earth just below the lithosphere is known as the ____.
A Asthenosphere B Mesosphere
C Stratosphere D Atmosphere

RECORDING SHEET
LEVEL 1
Q1 Q2 Q3 Q4
#

LEVEL 3: QUESTION 1
What is it called where the crust ends and the mantle begins?
A Stratosphere T Atmosphere
H Lithosphere L Mesosphere

LEVEL 4: QUESTION 2

LEVEL 3: QUESTION 2
When tectonic plates touch, it is known as a ___ boundary.
E Divergent M Elongated
Y Convergent B Rising

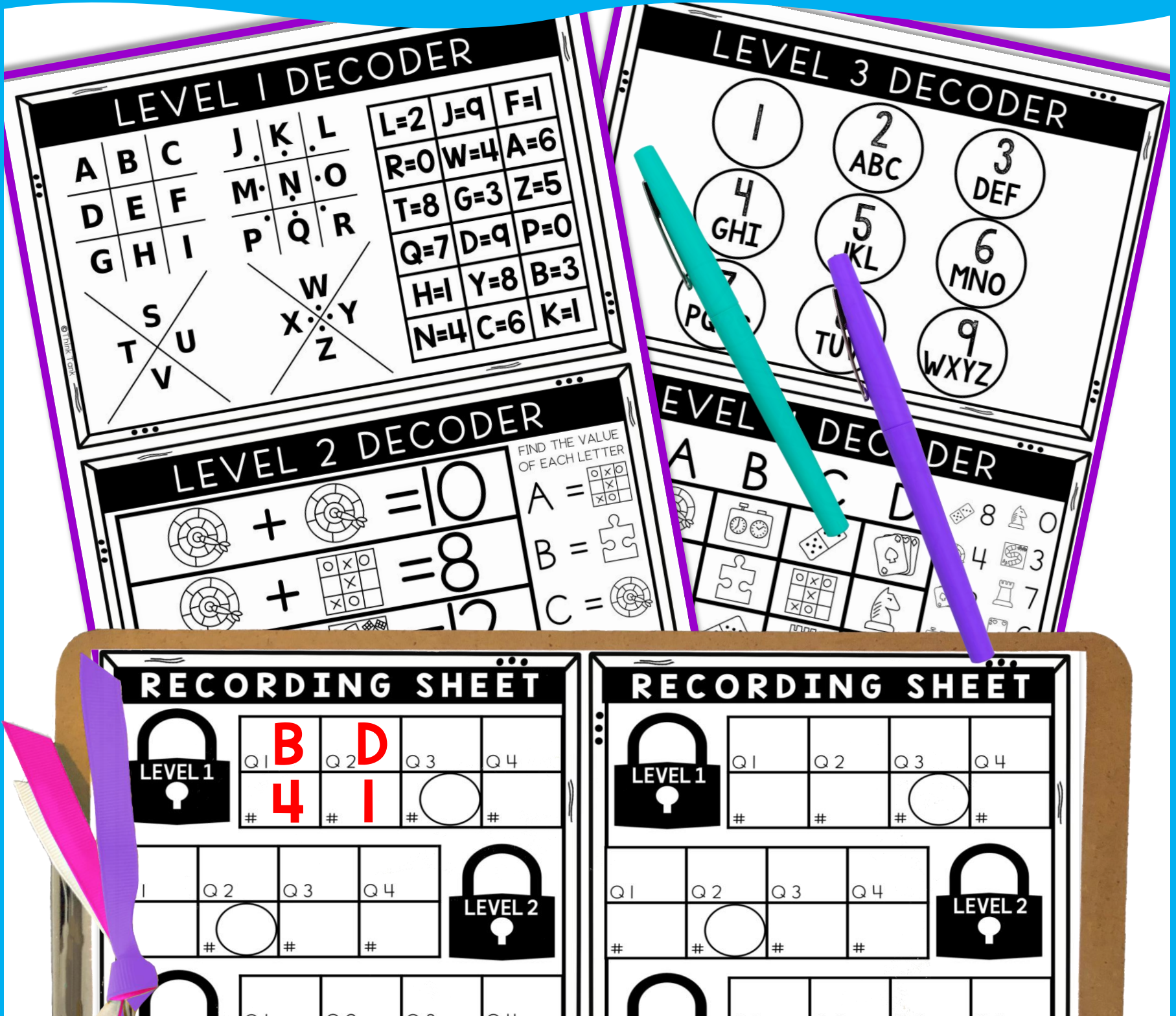
LEVEL 3: QUESTION 3
What is the inner core mostly made up of?
I Solid gold J

LEVEL 3: QUESTION 4
Which is the thinnest layer of Earth?

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

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.

LAYERS OF E

Although the earth looks like one solid planet, it is made up of four main layers, some solid and some molten. In the beginning, these layers are known as the crust, mantle, and core. Over time, the outside layers cooled down and the outer crust of the earth remained hot.

The crust is the thinnest layer of the earth. It is the layer that exists including humans, animals, sea life, and plants. The crust is known as the oceanic crust and it is about 8km thick. This crust is made up of...

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 Z | | | Q=7 | D=9 | P=0 |
| | | | | | | H=1 | Y=8 | B=3 |
| | | | | | | N=4 | C=6 | K=1 |

LEVEL 1: QUESTION 1

The Earth is made up of --- main layers.

Three

A

Four

Five

Six

LEVEL 1: QUESTION 2

What year was the first core drilled?

1919

1939

LEVEL 1: QUESTION 3

Earth is mostly covered by --- major plates.

Three




LEVEL 1: QUESTION 4




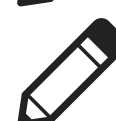
Which layer is the coldest?

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

