

FORMS OF ENERGY

ESCAPE ROOM

FORMS OF ENERGY
property of matter. The standard unit of measure for energy is the joule. Energy is power that describes the physical objects all around us. Energy is power that describes how things change and move. All molecules have energy which is transferred from one thing to another. Molecules are tiny particles which everything is made of. Living things need energy to grow and move and this energy is transferred from one thing to another. Energy is found in many forms. Similarly, objects also need energy to work. Energy is found in many forms. Some types of energy: potential and kinetic. Kinetic energy is energy of motion. Potential energy is energy of position. Examples of kinetic energy: a car moving, and a ball rolling. Potential energy is energy of position. Examples of potential energy: a parked car generates potential energy and a ball on a shelf has potential energy.

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=q	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 =

○	○	○
○	○	○
○	○	○

THINK TANK

LEVEL 1: QUESTION 2
Through what process does the sun give plants food?

<input type="checkbox"/> Photosynthesis	<input checked="" type="checkbox"/> Apoptosis
<input type="checkbox"/> Mangotoxin	<input type="checkbox"/> Carbonation

LEVEL 1: QUESTION 4
The two main types of energy are potential and ----.

Static

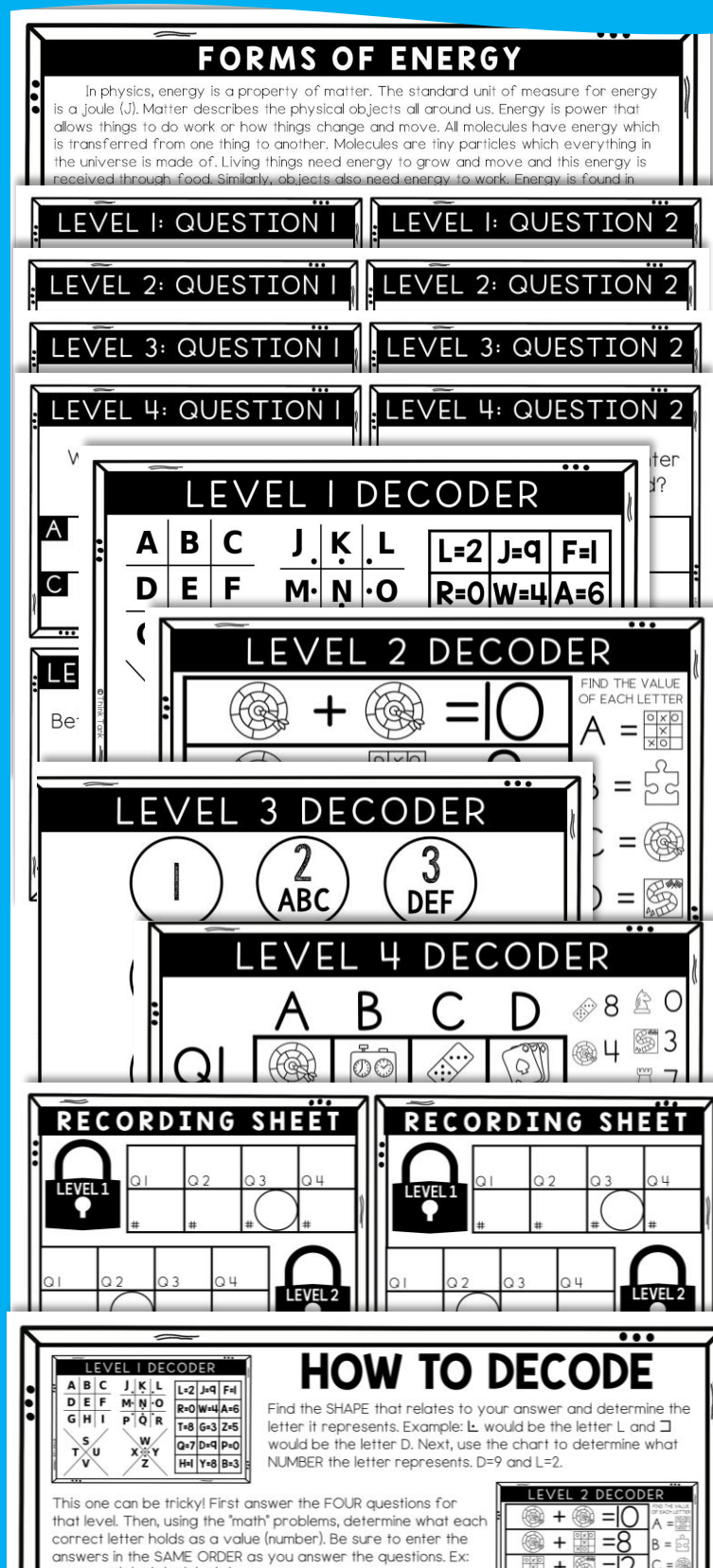
RECORDING SHEET

LEVEL 1	Q1	Q2	Q3
	#	#	#

RECORDING SHEET

LEVEL 2	Q1	Q2	Q3	Q4
	#	#	#	#

WHAT'S INCLUDED?



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



16 QUESTIONS

TERMS OF ENERGY
property of matter. The standard unit of energy is the joule. All objects have energy. Energy is the ability to do work. Energy is transferred from one object to another. Energy is stored in objects. Energy is used to do work. Energy is converted from one form to another. Energy is the ability to do work. Energy is the ability to do work. Energy is the ability to do work.

LEVEL 1: QUESTION 1
In physics, energy is a property of ----.

Liquid	Waves
Matter	Formulas

LEVEL 1: QUESTION 2
Through what process do the sun give plants energy?

Photosynthesis	Mangotoxin
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LEVEL 2: QUESTION 1
What is an example of chemical energy?

A. Parked car	B. Plants
C. Computer	D. Battery

LEVEL 1: QUESTION 3
What is the path that light must follow?

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
---- energy powers lights and TVs.

A. Electrical	B. Chemical
C. Kinetic	D. Potential

RECORDING SHEET

LEVEL 1	Q1	Q2	Q3	Q4
#	#	#	○	#

LEVEL 4: QUESTION 2

LEVEL 3 DECODER

1	2	3
4	5	6
7	8	9

LEVEL 3: QUESTION 1
What is atomic energy also known as?

A. Napalm	T. Nuclear
H. Platonic	L. Explosive

LEVEL 3: QUESTION 2
---- are tiny particles which everything in the universe is made of.

E. Mitochondria	M. Joules
Y. Molecules	B. Amperes

LEVEL 4 DECODER

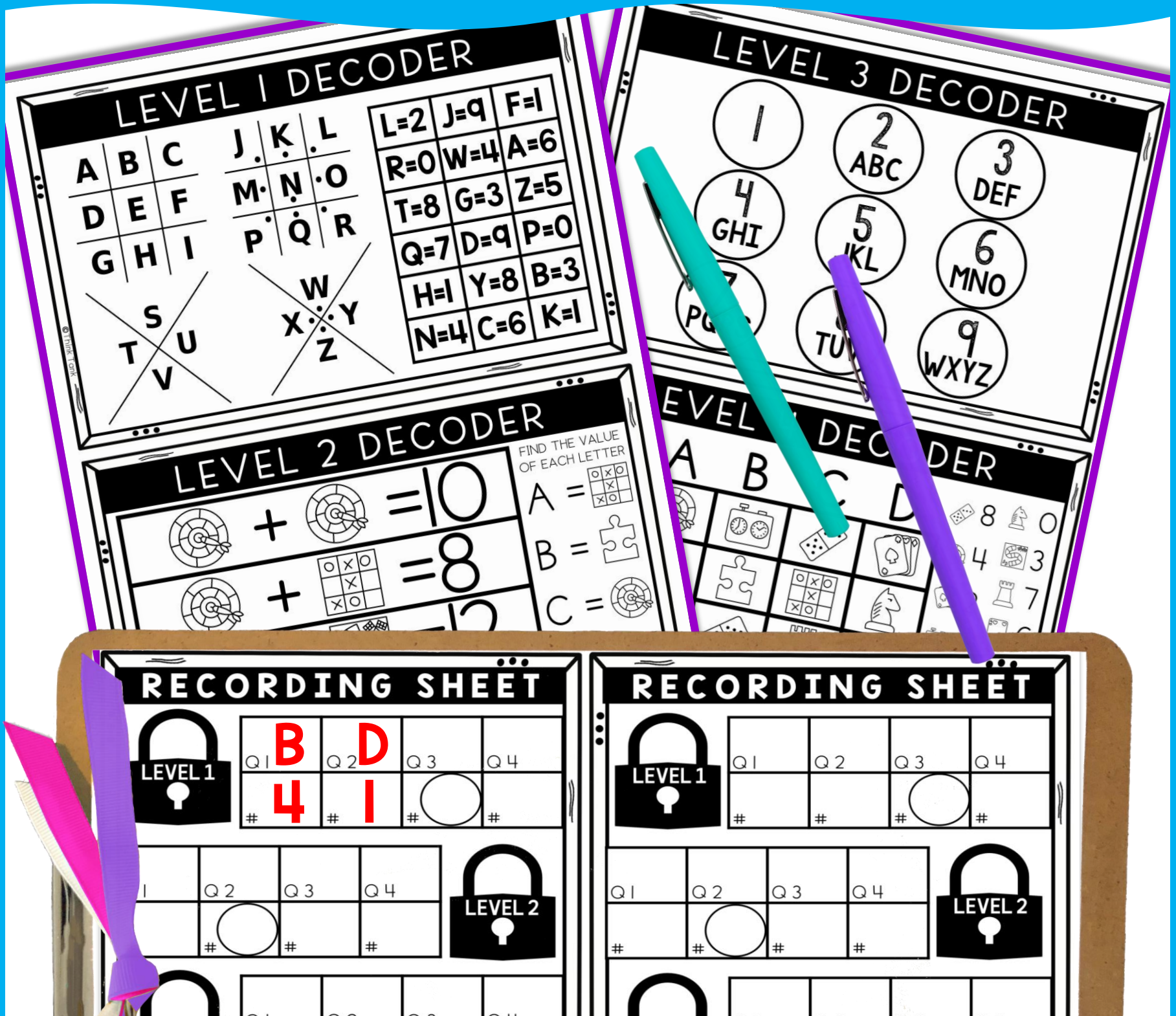
Q1	A	B	C	D	8	9	0
Q2	○	○	○	○	4	3	3
Q3	○	○	○	○	2	7	6

LEVEL 3: QUESTION 3
---- are tiny particles found inside atoms.

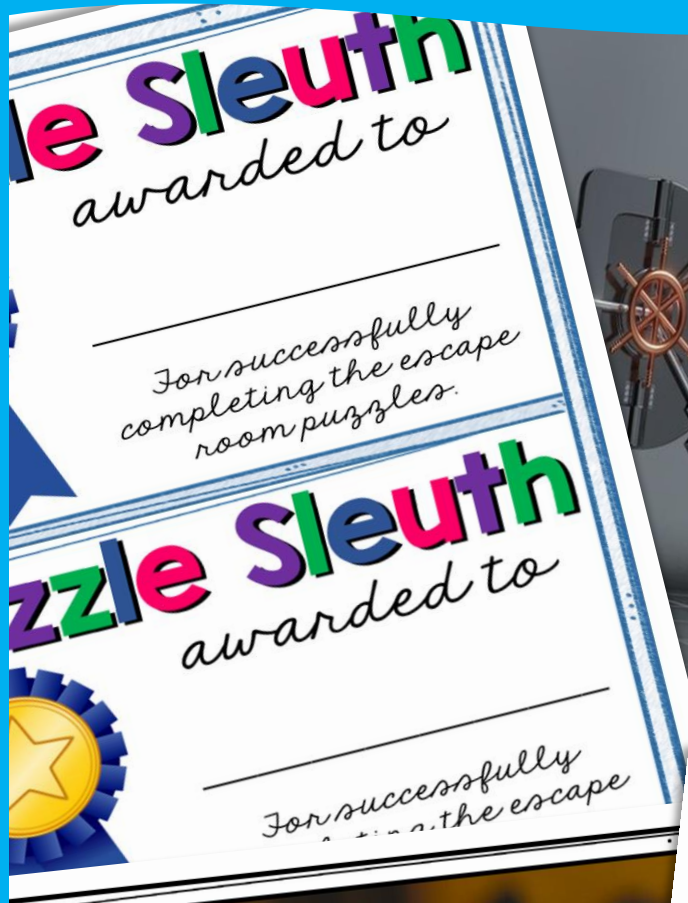
I. Spectras	J.
-------------	----

LEVEL 3: QUESTION 4
Chemical energy from food can change to ---- energy in the body.


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.

FORMS OF EN

In physics, energy is a property of matter. The sta is a joule (J). Matter describes the physical objects all o allows things to do work or how things change and move is transferred from one thing to another. Molecules are t the universe is made of. Living things need energy to gro received through food. Similarly, objects also need energ eight major forms: kinetic, chemical, electrical, heat, light, s There are two main types of energy: potential and kin

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

In physics, energy is a property of ----.

Liquid

A

Waves

Matter

Formulas

LEVEL 1: Q

Through wh
the sun give

Photosynthesis

Mangotoxin

LEVEL 1: QUESTION 3

What is the path that electrical energy must follow?

Ampere






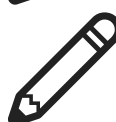
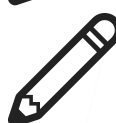
LEVEL 1: QU





The two main typ
are potential

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

