



MUCH MORE THAN

BEEES

ACTIVITY WORKBOOK



UNIVERSIDAD
DE BURGOS

MUCH MORE THAN BEES
ACTIVITY WORKBOOK



**UNIVERSIDAD
DE BURGOS**

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IMAGINING THE STORY

FILL IN THE GAPS TO CREATE THE STORY



scenario

Blank writing area for the scenario.

plot

Blank writing area for the plot.



characters

Blank writing area for the characters.



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





THE PERFECT TITLE

2

I think that the title is...

Because....



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





WHO'S WHO?

FILL IN THE COLUMNS

| | Author | Illustrator |
|----------------------|--------|-------------|
| Name | | |
| Nationality | | |
| Year of birth | | |
| Profession | | |
| Most important works | | |

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





MY FRIEND THE BEE

Draw a bee

What words would you use to describe bees?
Write a description of these insects



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





HOW DO I LEARN?

What I know

Blank space for writing.

What I want to know

Blank space for writing.

What I have learned

Blank space for writing.

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

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I want to learn



SEQUENCE OF EVENTS

6

"In the beginning", "First", "In the meantime", "Afterwards", "From then on", "Later on", "To end..."

Event 1

Event 2

Event 3

Event 4

Event 5



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn



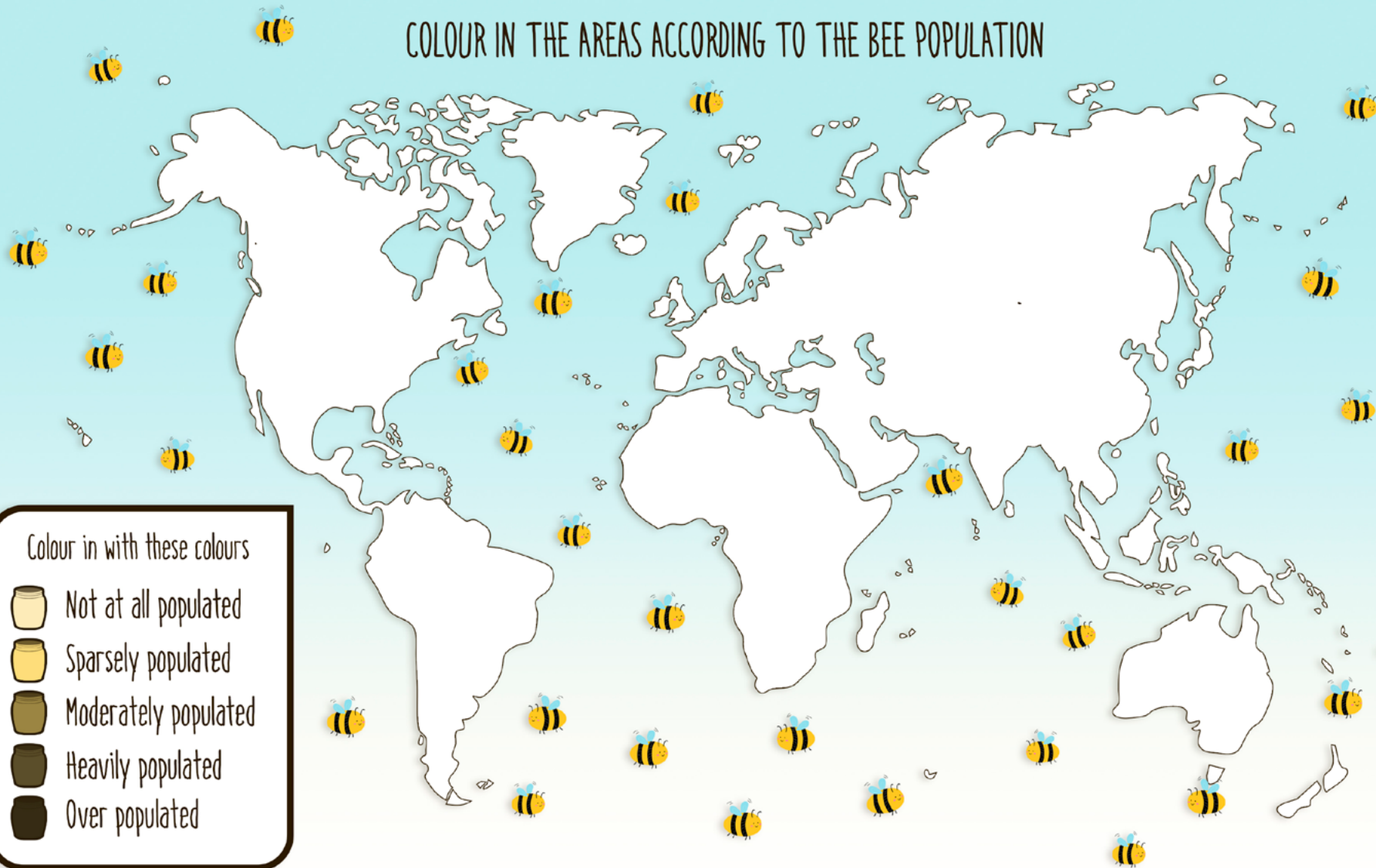
BEEES COLONISE THE WORLD I

7

COLOUR IN THE AREAS ACCORDING TO THE BEE POPULATION

Colour in with these colours

-  Not at all populated
-  Sparsely populated
-  Moderately populated
-  Heavily populated
-  Over populated



BEES COLONISE THE WORLD II

8

DRAW THE MAIN PARALLELS AND ANSWER THE QUESTIONS



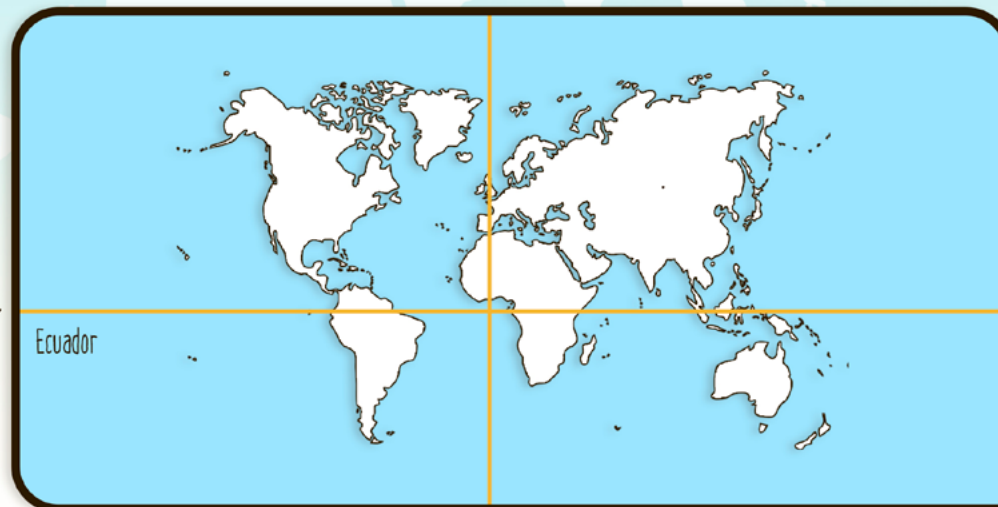
In which areas are the greatest number of bee species distributed?

Parallels:

- ⬡ Tropic of Cancer
- ⬡ Equator
- ⬡ Tropic of Capricorn
- ⬡ Arctic Circle
- ⬡ Antarctic Circle



A clue...





BEES COLONISE THE WORLD II

8

ANSWER THE QUESTIONS



Why do you think this is so?

Are there more bees in arid/desertified areas or in forested/jungle areas?



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





THE HOUSE OF THE BEES

HELP THE BEES TO CONTINUE BUILDING THEIR CONSTRUCTION



How do you imagine a honeycomb?

WHAT IS THIS SHAPE CALLED?

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn

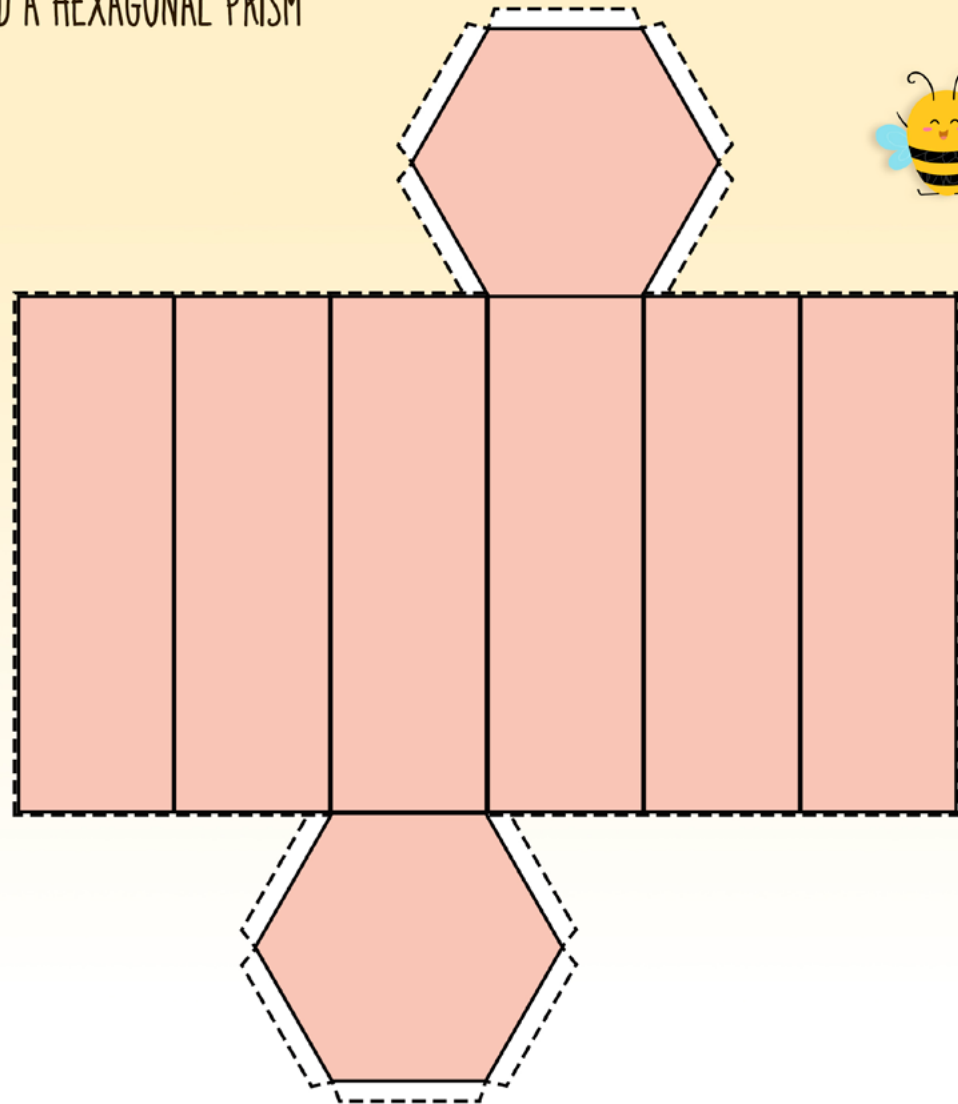
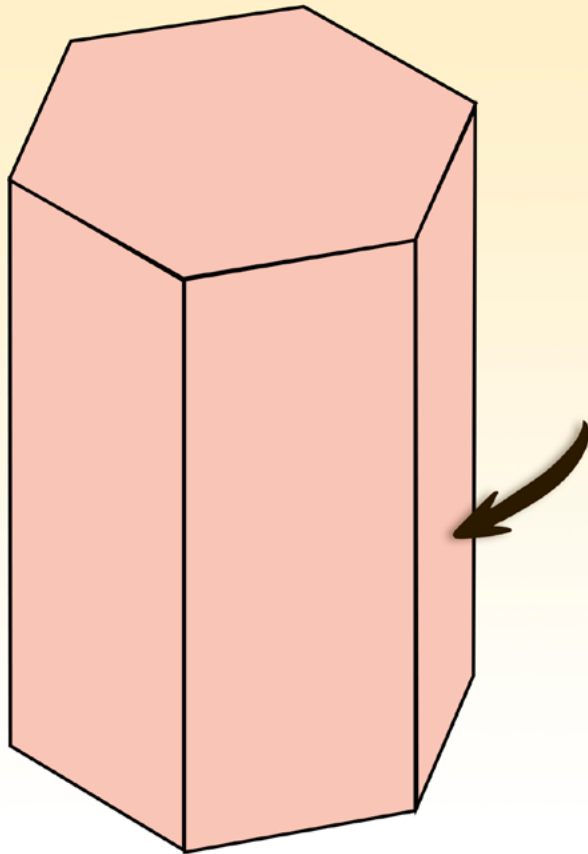




HANDS ON WORK

10

FOLD A HEXAGONAL PRISM



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn



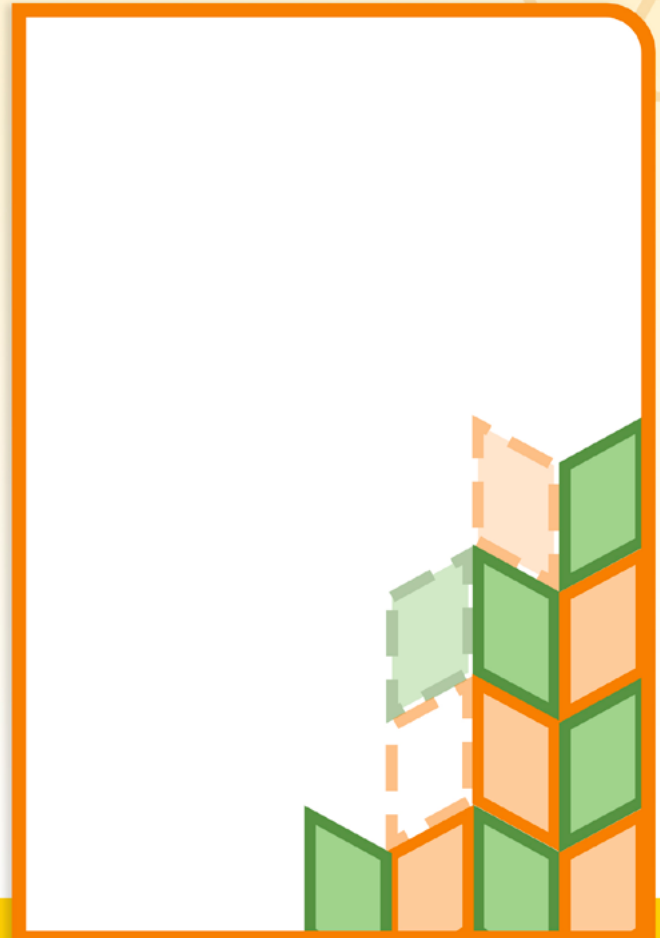
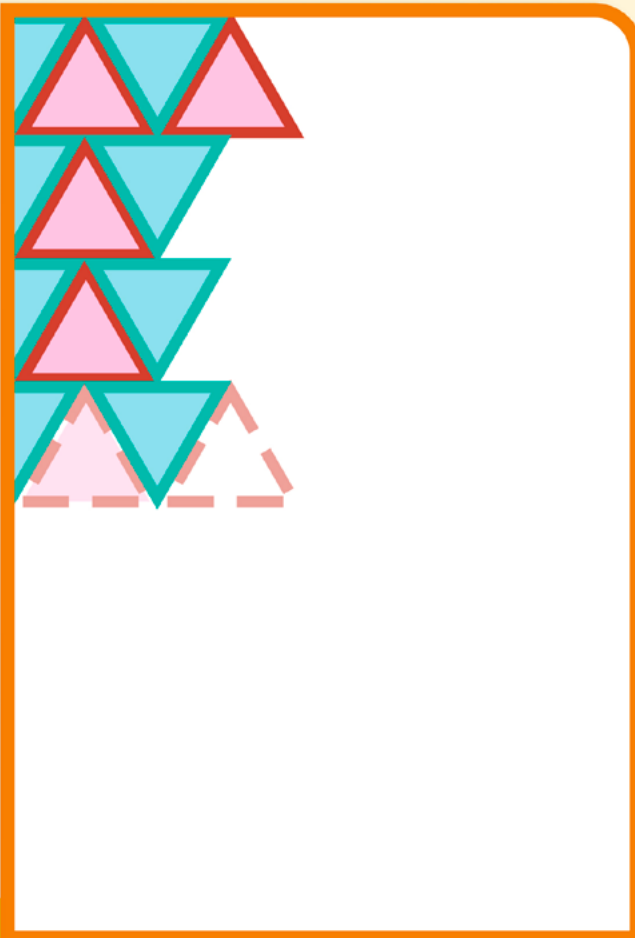


TESSELLATION IN NATURE



11

WHAT IS A TESSELLATION?



THINKING AND REFLECTING



I have learnt

My opinion is

I feel



I want to improve

I ask myself

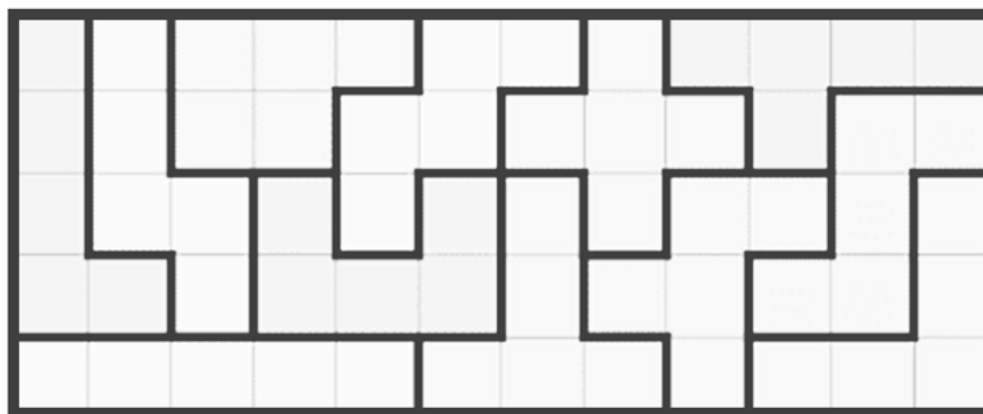
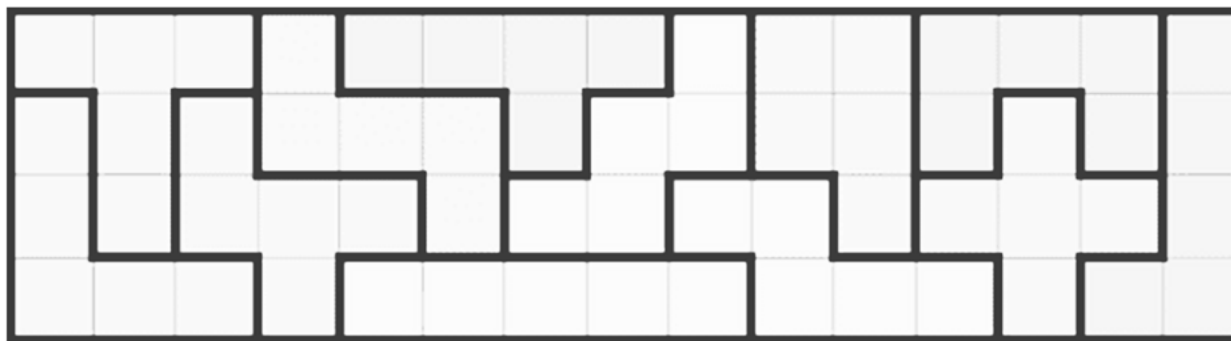
I want to learn





PENTOMINO PUZZLES

SOLVE THE TWO PUZZLES BY COMPLETING THEM WITH THE PIECES!



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

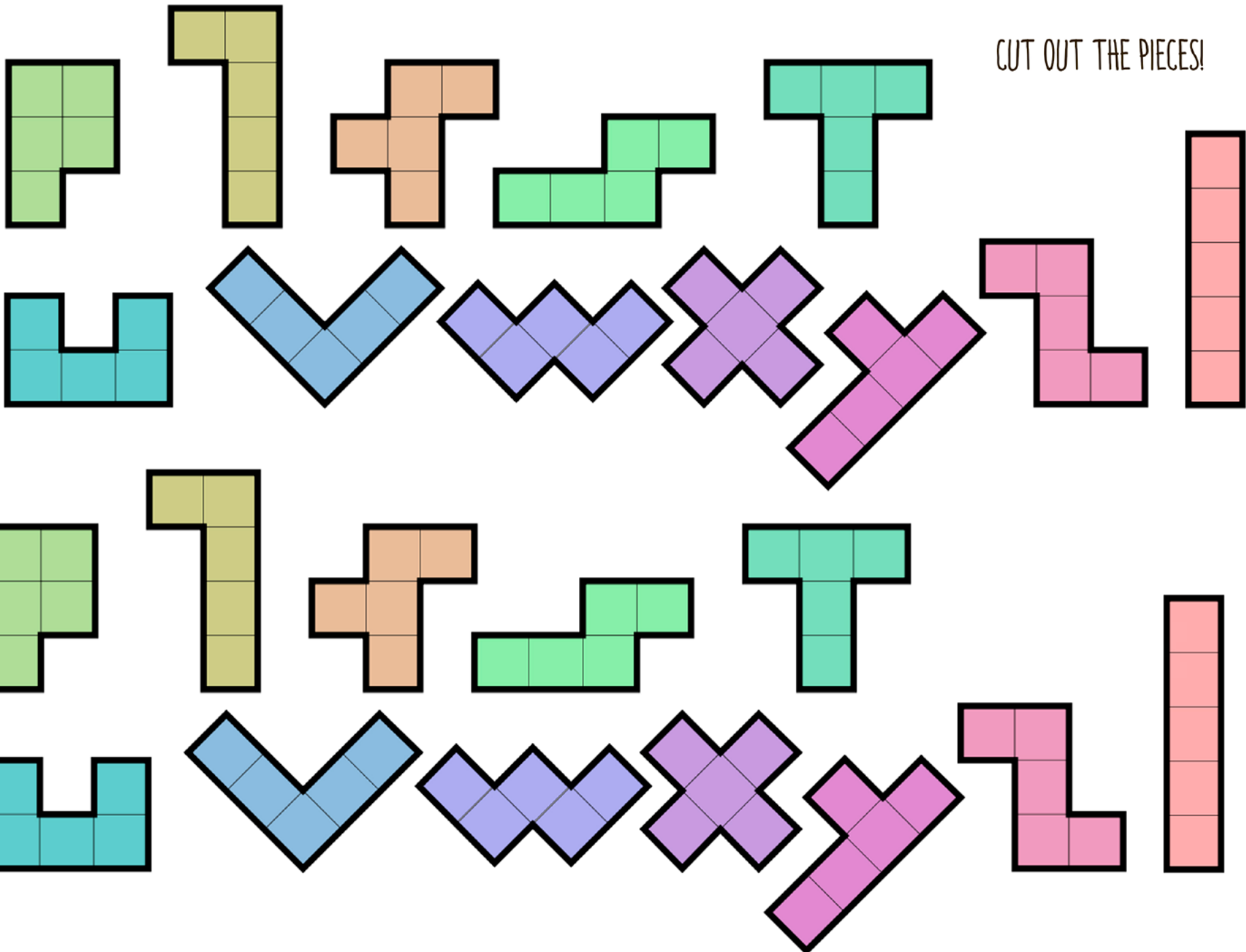
I ask myself

I want to learn





CUT OUT THE PIECES!





THE IMPORTANCE OF BEES

BEES ARE GOOD FOR...



humans



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

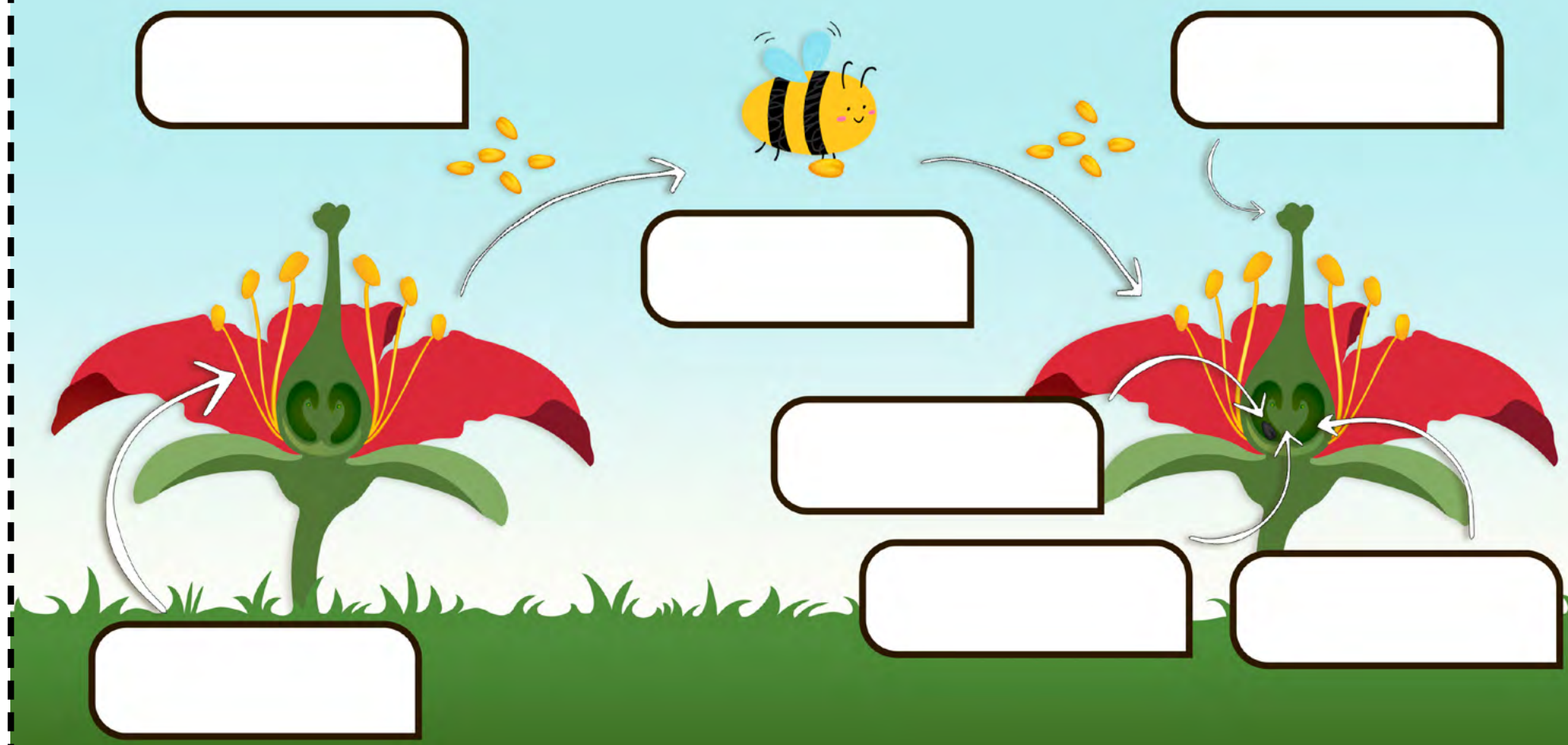
I want to learn





POLLINATION

FILL IN THE BLANKS



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





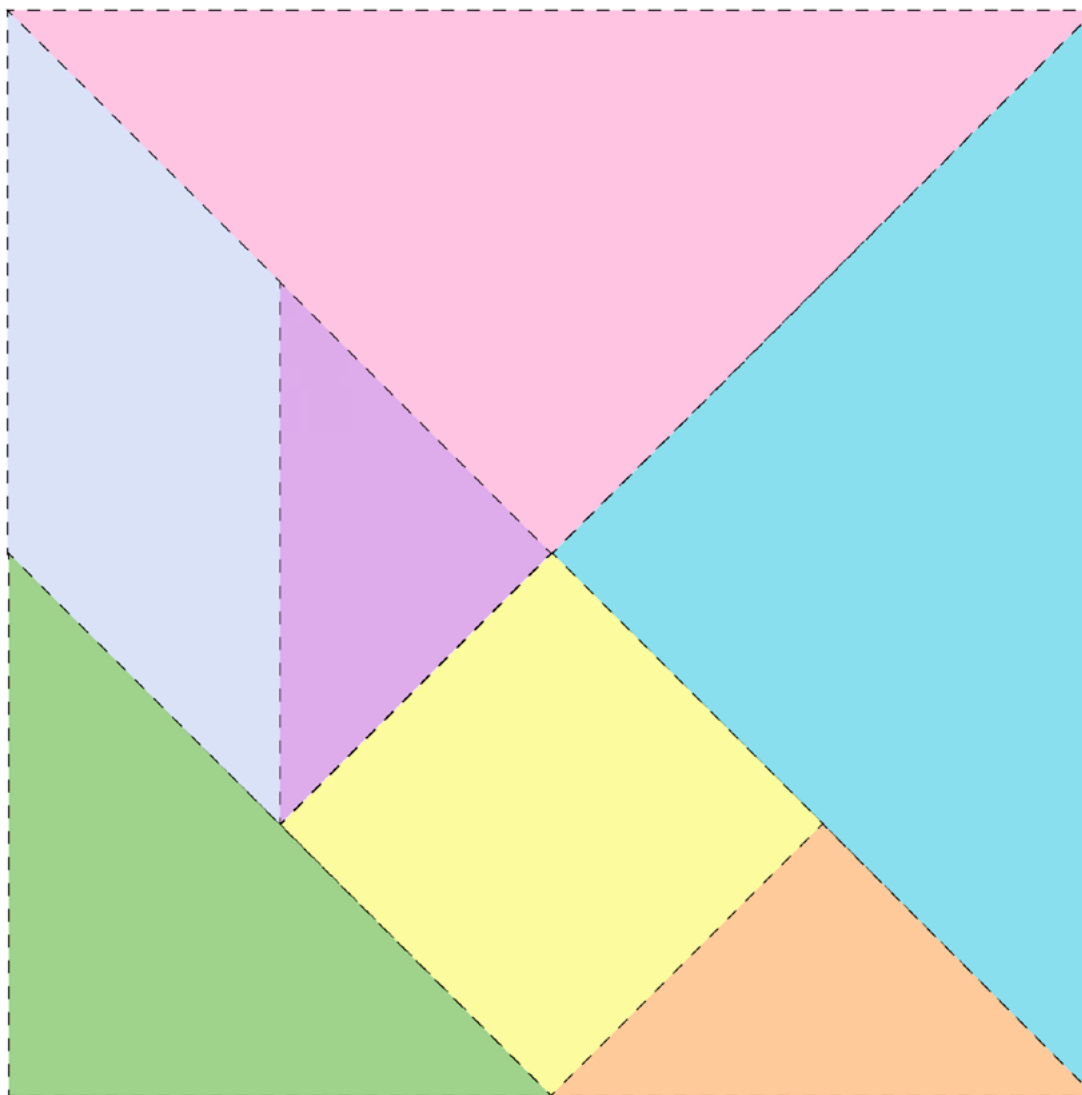
TANGRAM



CUT OUT THE PIECES
AND SOLVE THE PUZZLE



Butterfly

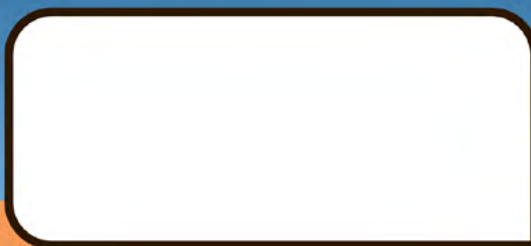



Dog

WE KNOW THE BIOTOPES

16

FILL IN THE BOXES:



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



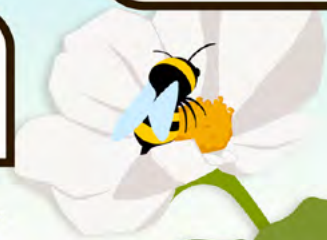
I want to learn



WE'RE LEARNING ABOUT ABIOTIC FACTORS

17

INDICATE WHICH OF THE FOLLOWING IS A BIOTIC FACTOR AND WHICH IS AN ABIOTIC FACTOR



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn



WE'RE LEARNING ABOUT TREES AND PLANTS

18

DRAW IN THE MISSING FIGURES:



WE'RE LEARNING ABOUT TREES AND PLANTS

18

FILL IN THE COLUMNS:

TREES

PLANTS

The worksheet is designed for a child to write down information about trees and plants. It consists of two main columns, each with a white writing area and a colored header. The 'TREES' column has a light orange header, and the 'PLANTS' column has a darker orange header. The entire page is framed by a dashed black line, and the bottom features a decorative grass and rock border.

WE'RE LEARNING ABOUT ANIMALS

19

DRAW IN THE MISSING FIGURES:



WE'RE LEARNING ABOUT ANIMALS

19

FILL IN THE COLUMNS:

INSECTS

OTHER ANIMALS



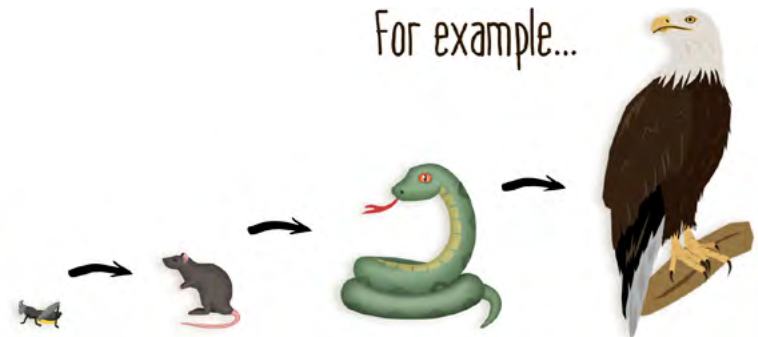
COMPLETING THE GUIDE

20

DRAW A TROPHIC CHAIN

A horizontal sequence of four empty, rounded rectangular boxes with a brown outline. Each box is connected to the next by a small black arrow pointing to the right, indicating the flow of energy in a trophic chain.

For example...



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





LET'S CREATE OUR OWN ECOSYSTEM

COMPLETE THE TABLE: What elements are necessary for natural life to thrive?



| |
|--|
| |
| |
| |
| |
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| |



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





SCIENTIFIC INQUIRY:

ECOSYSTEM EVOLUTION



FILL IN THE TABLES:

Date:

Date:

Date:

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





WHAT FACTORS?

ANSWER THE FOLLOWING QUESTIONS:

What if the plants don't receive sunlight? And if they don't receive oxygen?

And if we don't water the plants?

What elements would you add to the jar?



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn



I SET OUT MY HYPOTHESES

24

RESPOND TO THE FOLLOWING QUESTIONS:



What factors will we change?

Formulate the following hypothesis:

What will happen if I change that factor?



THINKING AND REFLECTING



I have learnt

My opinion is

I feel



I want to improve

I ask myself

I want to learn





WHAT HAPPENED?

FILL IN THE TABLE WITH THE RESULTS

The hypothesis

| |
|--|
| |
|--|

The results

| |
|--|
| |
|--|

Don't Forget to point out the evidence in the results. Example: "The leaves were musty on day 5"

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





MY RESULTS

COMMUNICATING THE RESULTS OF THE INQUIRY

Date:

Before

Date:

After



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

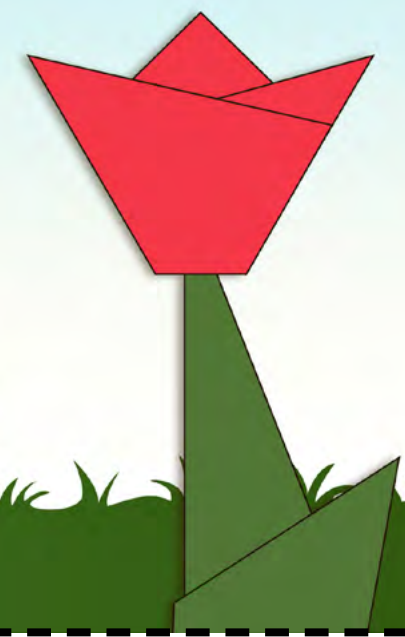
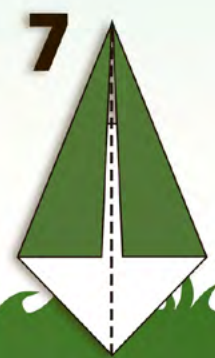
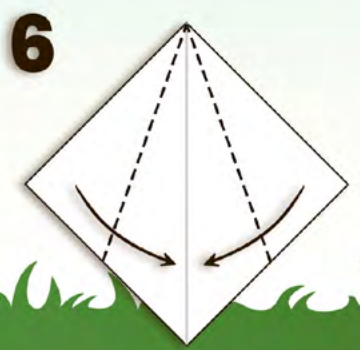
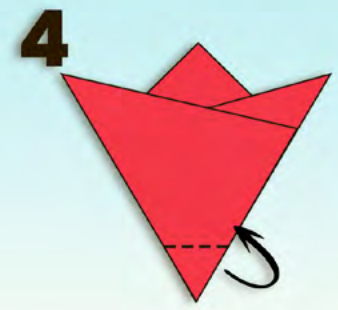
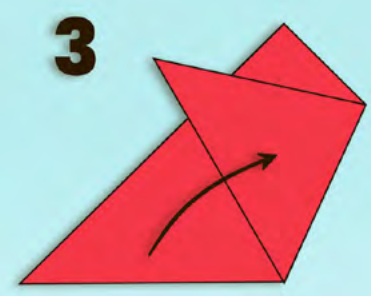
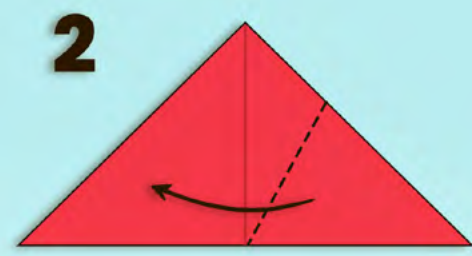
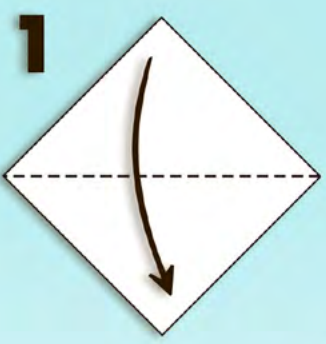
I want to learn





BEE ECOSYSTEMS I

MAKE A TULIP BY FOLLOWING THESE STEPS



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





BEE ECOSYSTEMS II

WHY ARE THERE FEWER AND FEWER BEES? List:



| | | | |
|--|--|--|--|
| | | | |
| | | | |
| | | | |

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





INVESTIGATING WITH GOOGLE EARTH

HOW DOES THE ECOSYSTEM CHANGE? Draw the before and the after



BEFORE

AFTER

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself



I want to learn





WE ARE PREPARING TO DO RESEARCH

30

WRITE OUT THE INFORMATION USING THIS TRIPTYCH

Causes

Most Immediate Consequences

Long-term Consequences

| | | |
|--|--|--|
| | | |
|--|--|--|

You can also make a poster using carton!

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





THE CONSEQUENCES

OF THE DISAPPEARANCE OF BEES

ANSWER THE QUESTIONS



What did Mao do to stop the sparrows and other animals from eating the crops?

What happened to the insects they fed on?
How was that solved?

What do you think were the consequences for the population?

Was this solution effective?
What do you think happened to the bees?



THE CONSEQUENCES

OF THE DISAPPEARANCE OF BEES

31

ANSWER THE QUESTIONS



Look at the picture again, what do you think they are doing? Read this text and answer the question

What do they use to pollinate? What do they do it for?

What do you think of Mao's phrase "Man must conquer nature"? Is it possible? Why?





HOW CAN YOU HELP BEES?

ACTION PLAN



What do bees
need to live?

Blank writing area for the first question.



What can we do to
provide them with it?

Blank writing area for the second question.



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





LET'S DESIGN AN ACTION PLAN

FILL IN THE INFORMATION AND NAMES OF YOUR PROJECT

What?

For what?

How?

Who?

With what?

When and where?

What will the result be?

THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





LET'S CREATE A GARDEN

34

ANSWER THE QUESTIONS FOR THE CREATION OF THE GARDEN

What are the bees' favourite flowers?

What do we need to create our own garden?





LET'S CREATE A GARDEN

34

Draw a garden considering the size of the garden and where the sun rises, as well as the areas where the rain will fall and the areas with soil





LET'S WRITE TO THE AUTHORS

IDENTIFY THE PARTS OF THE LETTER IN THE BOXES



Empty rounded rectangular box for labeling the top part of the letter.

Empty rounded rectangular box for labeling the bottom part of the letter.

Central area containing a white sheet of paper with a dashed line at the top and two dashed lines at the bottom, representing the parts of a letter. The paper is layered over pink and yellow background elements.

Empty rounded rectangular box for labeling the right side of the letter.

Empty rounded rectangular box for labeling the bottom part of the letter.

THINKING AND REFLECTING



I have learnt

My opinion is

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I want to improve

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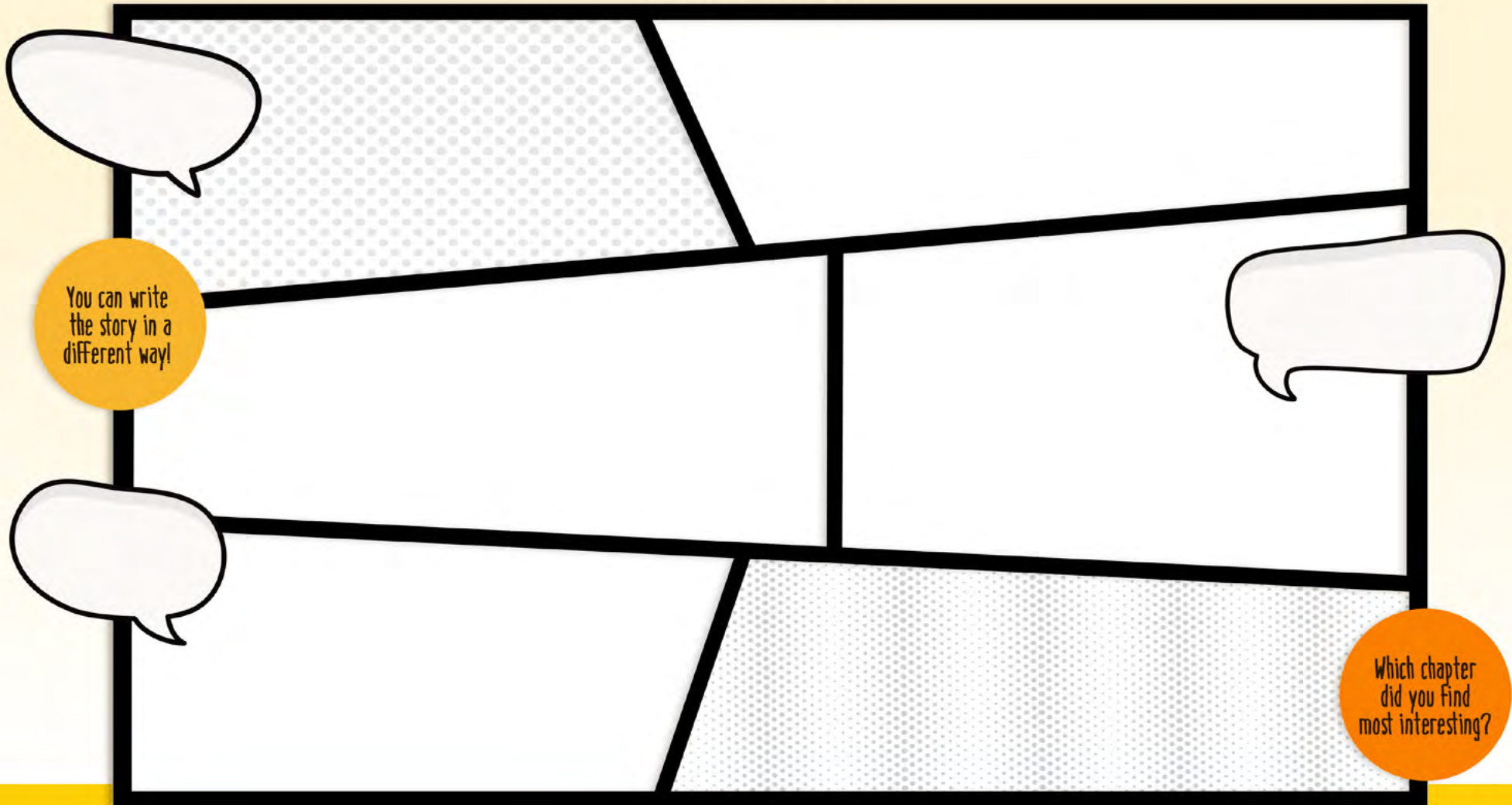
I want to learn





LET'S CREATE A COMIC STRIP

DESIGN A COMIC BOOK



You can write the story in a different way!

Which chapter did you find most interesting?



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

I ask myself

I want to learn





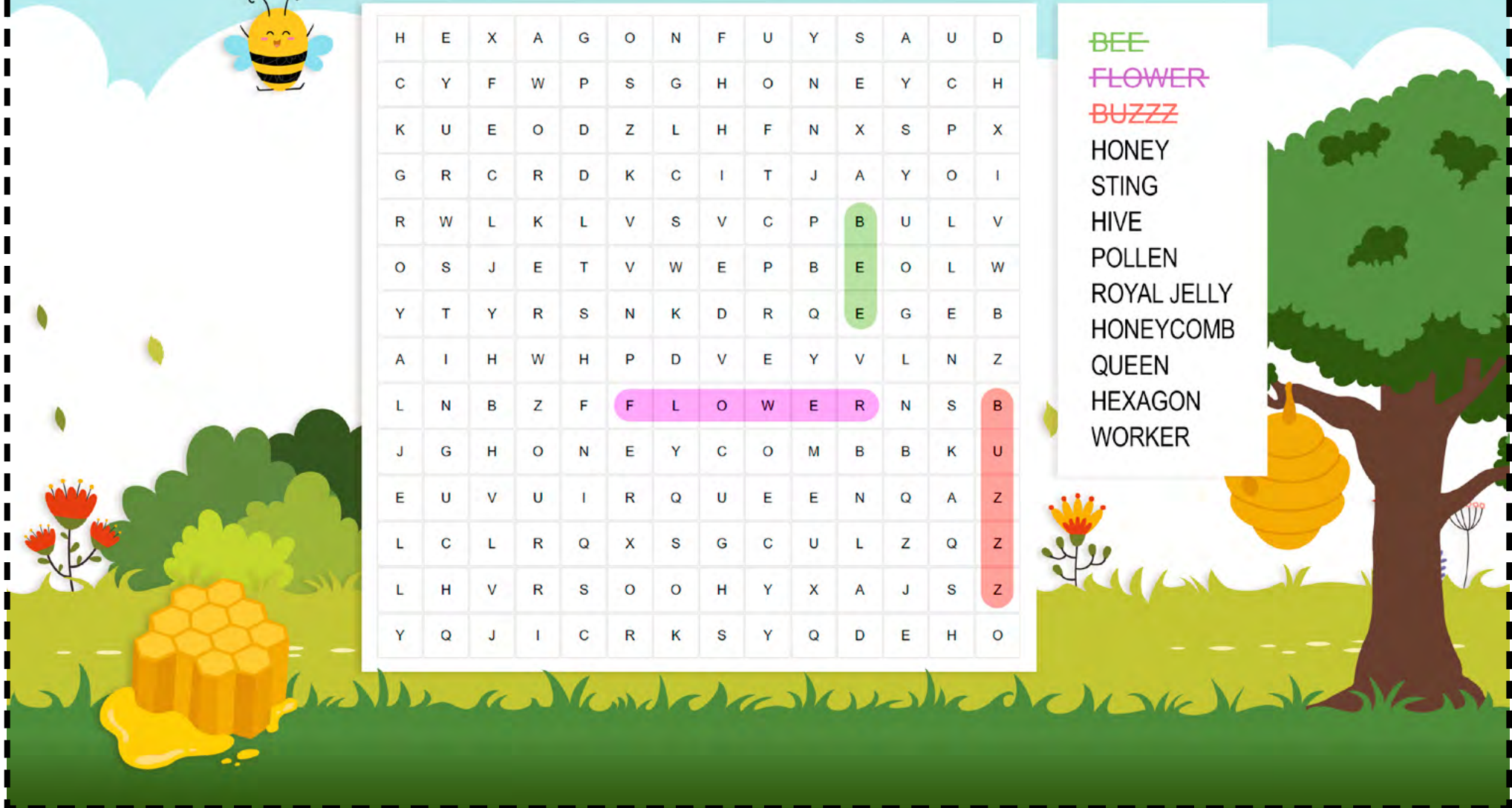
ALPHABET SOUP

FIND THE VOCABULARY USED IN THE WORKBOOK



| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H | E | X | A | G | O | N | F | U | Y | S | A | U | D |
| C | Y | F | W | P | S | G | H | O | N | E | Y | C | H |
| K | U | E | O | D | Z | L | H | F | N | X | S | P | X |
| G | R | C | R | D | K | C | I | T | J | A | Y | O | I |
| R | W | L | K | L | V | S | V | C | P | B | U | L | V |
| O | S | J | E | T | V | W | E | P | B | E | O | L | W |
| Y | T | Y | R | S | N | K | D | R | Q | E | G | E | B |
| A | I | H | W | H | P | D | V | E | Y | V | L | N | Z |
| L | N | B | Z | F | F | L | O | W | E | R | N | S | B |
| J | G | H | O | N | E | Y | C | O | M | B | B | K | U |
| E | U | V | U | I | R | Q | U | E | E | N | Q | A | Z |
| L | C | L | R | Q | X | S | G | C | U | L | Z | Q | Z |
| L | H | V | R | S | O | O | H | Y | X | A | J | S | Z |
| Y | Q | J | I | C | R | K | S | Y | Q | D | E | H | O |

- BEE
- FLOWER
- BUZZ
- HONEY
- STING
- HIVE
- POLLEN
- ROYAL JELLY
- HONEYCOMB
- QUEEN
- HEXAGON
- WORKER



THINKING AND REFLECTING



I have learnt

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I ask myself



I want to learn



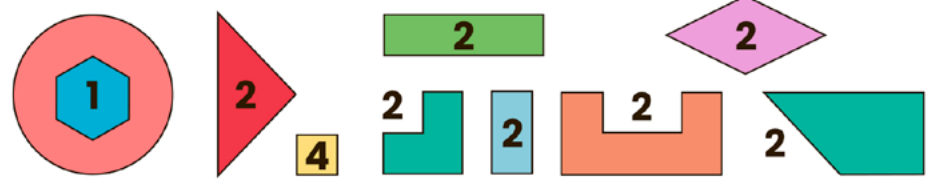


THE MOST GEOMETRIC GARDEN

CREATE A GEOMETRIC GARDEN WITH THESE SYMMETRICAL SHAPES



Use these shapes



THINKING AND REFLECTING



I have learnt

My opinion is

I Feel



I want to improve

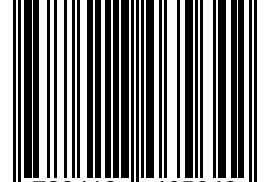
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