

*Farfalle in*

**TOUR**

**TorinoUrbana**

**Diversity for Biodiversity**



**MY EXERCISE BOOK**

"Farfalle in ToUr - Diversity for Biodiversity" (Urban Turin) is an innovative social inclusion and scientific observation pathway created through a collaboration between the Department of Mental Health of the Asl of City of Turin, the Department of Life Science and Systems Biology of the University of Turin, and the social cooperatives il Margine and La Rondine, with the contribution of proGgreg.

This exercise book was produced thanks to the contribution of proGgreg/City of Turin.

Idea and design:

Anna Laura **VENTRESCA**

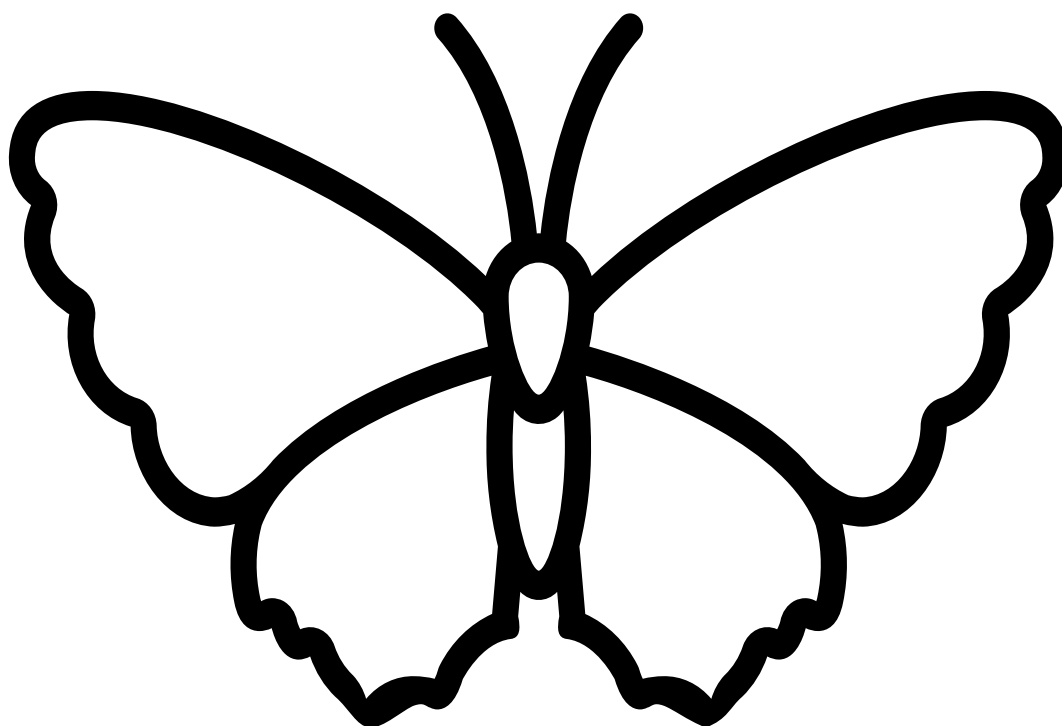
Layout and graphics:

Anna **LA MARCA**

On the following pages you will find games, puzzles, crosswords and many other exercises that will help you get to know our butterfly friends better!

## Here we go!

Start by colouring this butterfly: it will be your travelling companion! You can use the colours you like and give it the name you like best!



**You are beautiful!** I will call you \_\_\_\_\_

## The colours of butterflies are wonderful, aren't they?

But they are not only beautiful, they are also very useful!

If you want to know why, try reading the next few pages.

Yellow, blue, purple... There are so many colours of butterflies!

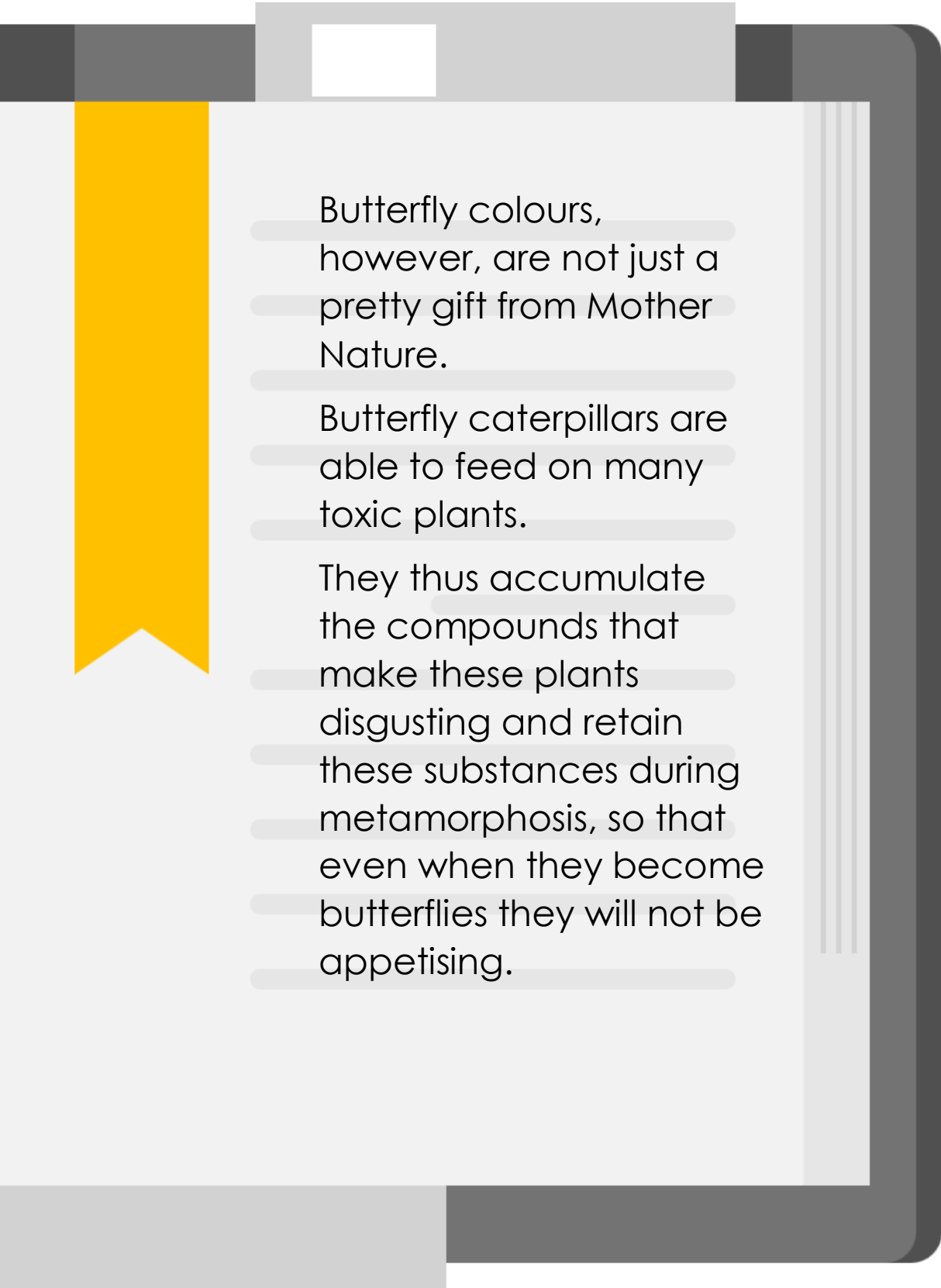
But do you know what all these colours are for?

To keep predators away!

In nature, bright colours often represent a toxic element.

Thus, butterflies dye themselves in a thousand colours to keep away lizards and other animals that are dangerous to them.

"If you eat me, you will get a big bellyache!" is what all these colours mean.



Butterfly colours, however, are not just a pretty gift from Mother Nature.

Butterfly caterpillars are able to feed on many toxic plants.

They thus accumulate the compounds that make these plants disgusting and retain these substances during metamorphosis, so that even when they become butterflies they will not be appetising.

## Have you read carefully?

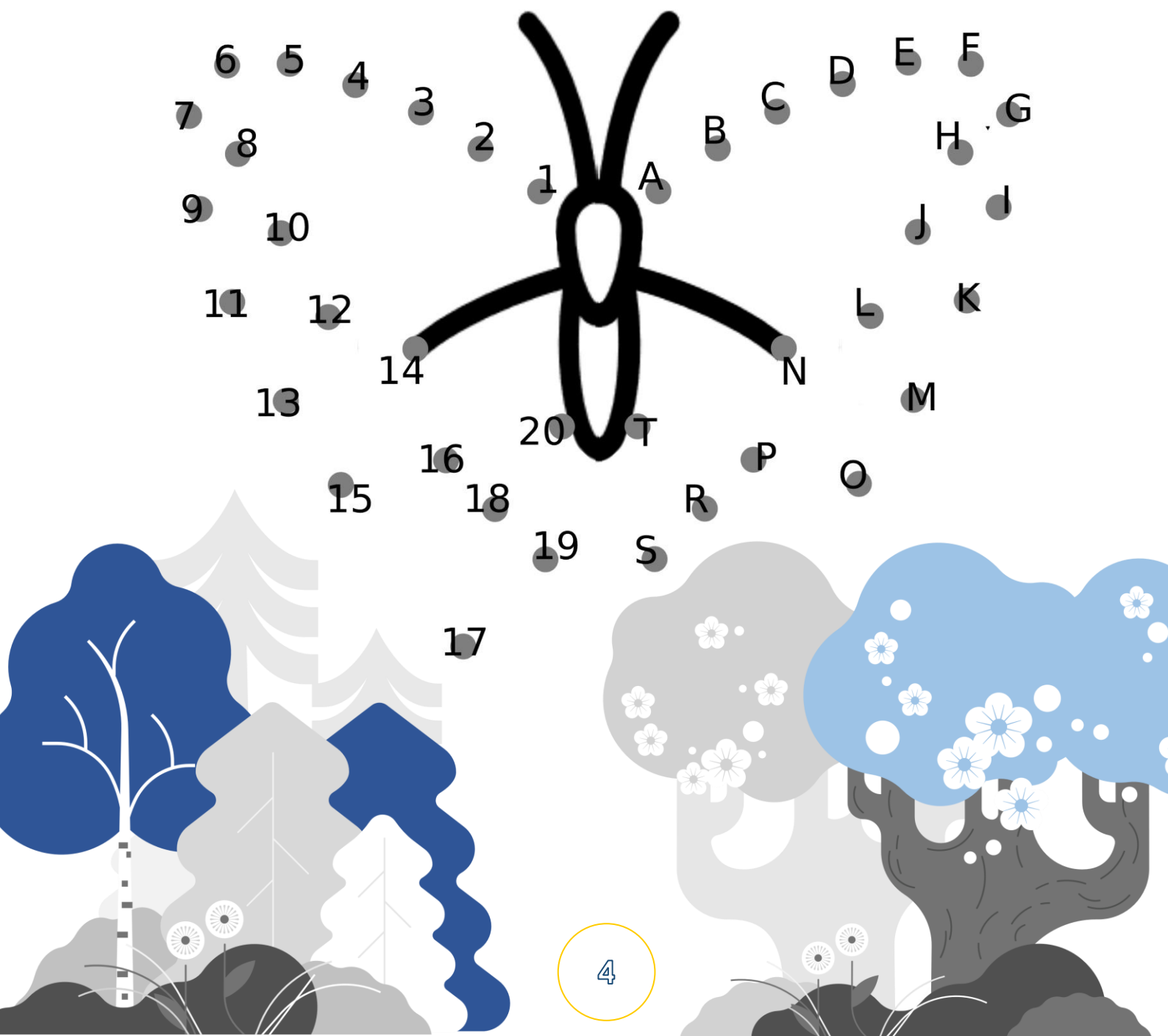
Very well! Then you can start playing!

### Hey! Where are you?

Sometimes butterflies like to hide, but we are sure you can find them anywhere!

Look at this picture, doesn't it look like someone is hiding?

Join the numbers in ascending order and the letters in alphabetical order and discover the image!

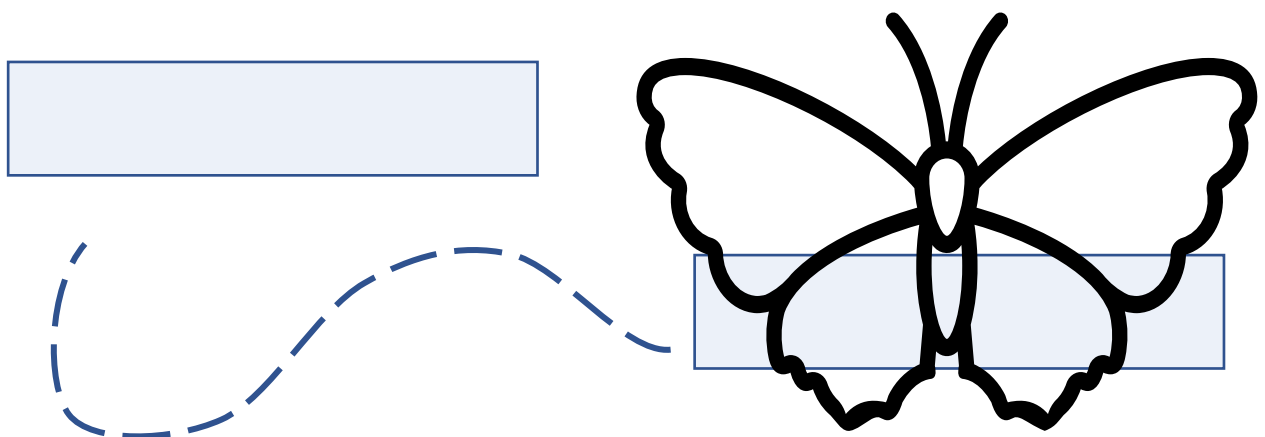
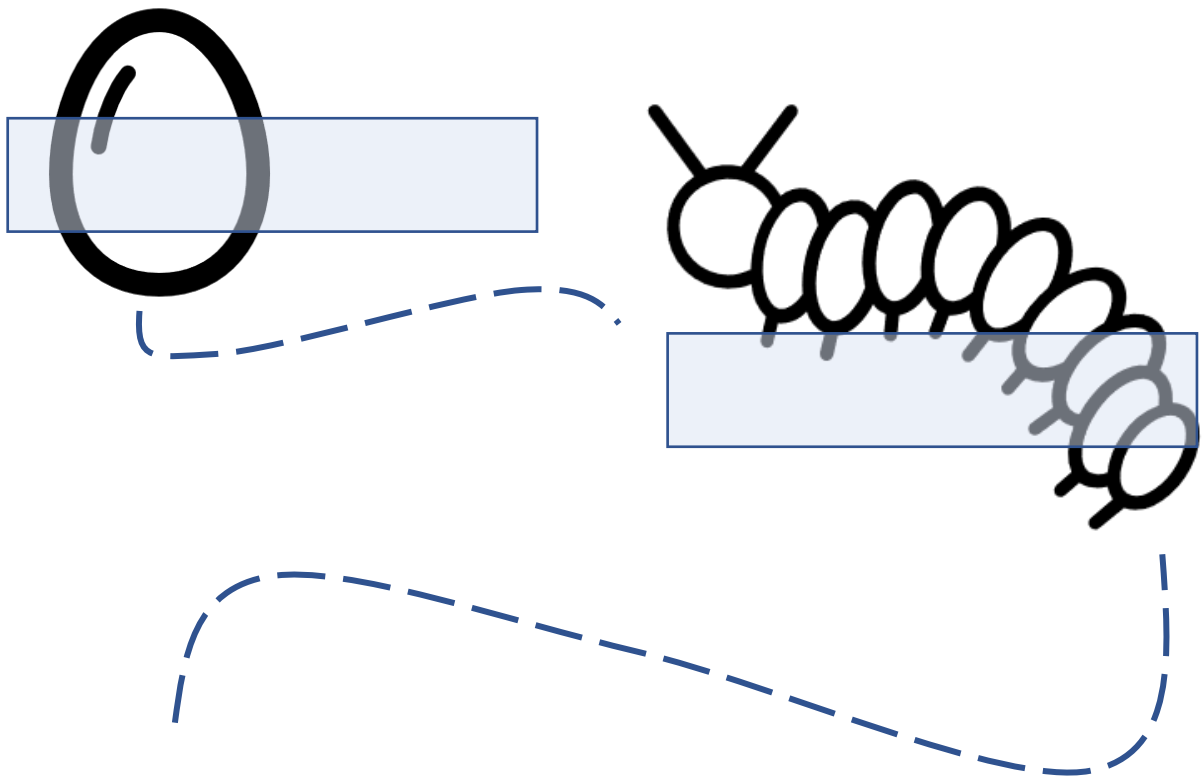


**Butterflies are insects with complete metamorphosis.**

This means that three stages are required to reach the adult stage.

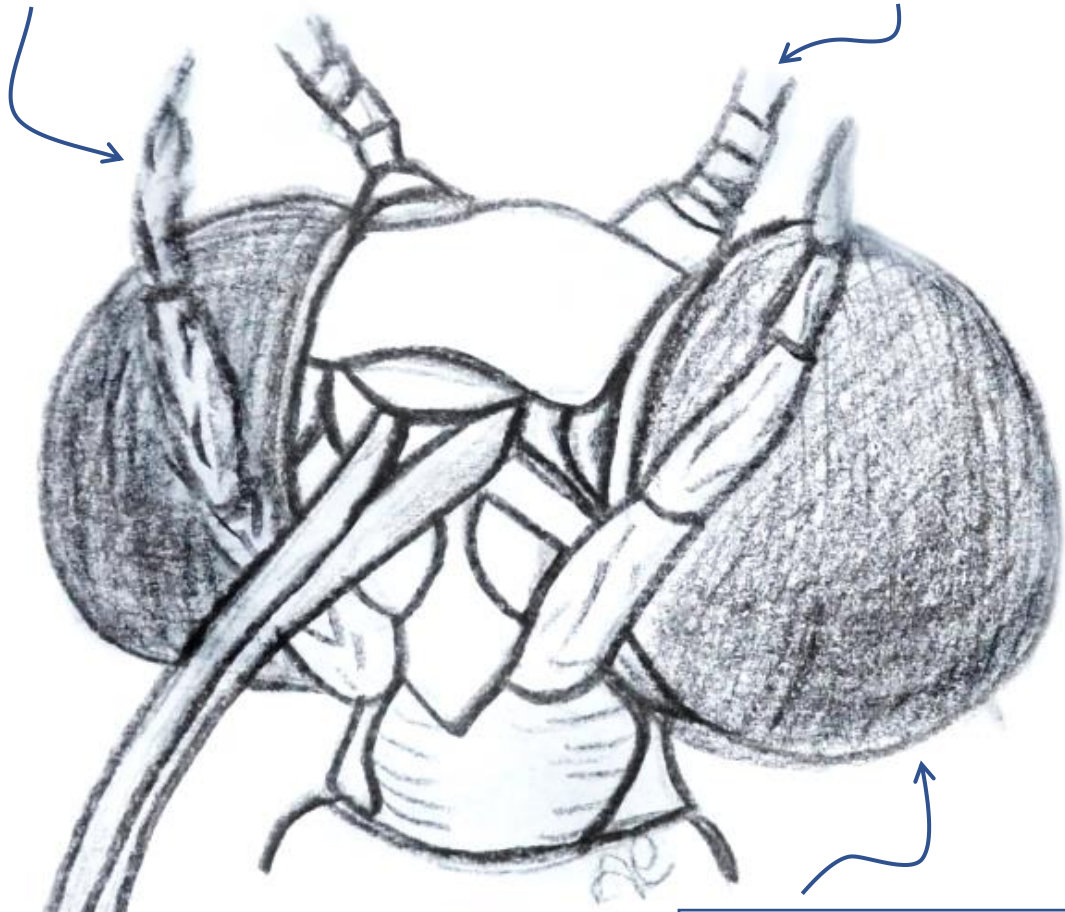
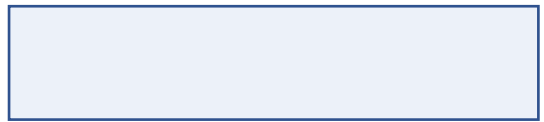
Before becoming one, a butterfly must pass through the egg, caterpillar and chrysalis stages.

Write under each drawing which stage it refers to, but...  
Attent\*! You will have to add a drawing yourself!



## What a head!

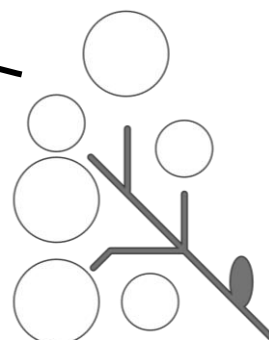
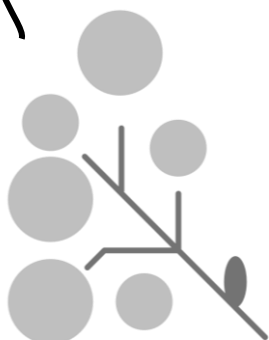
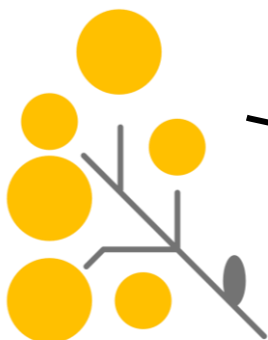
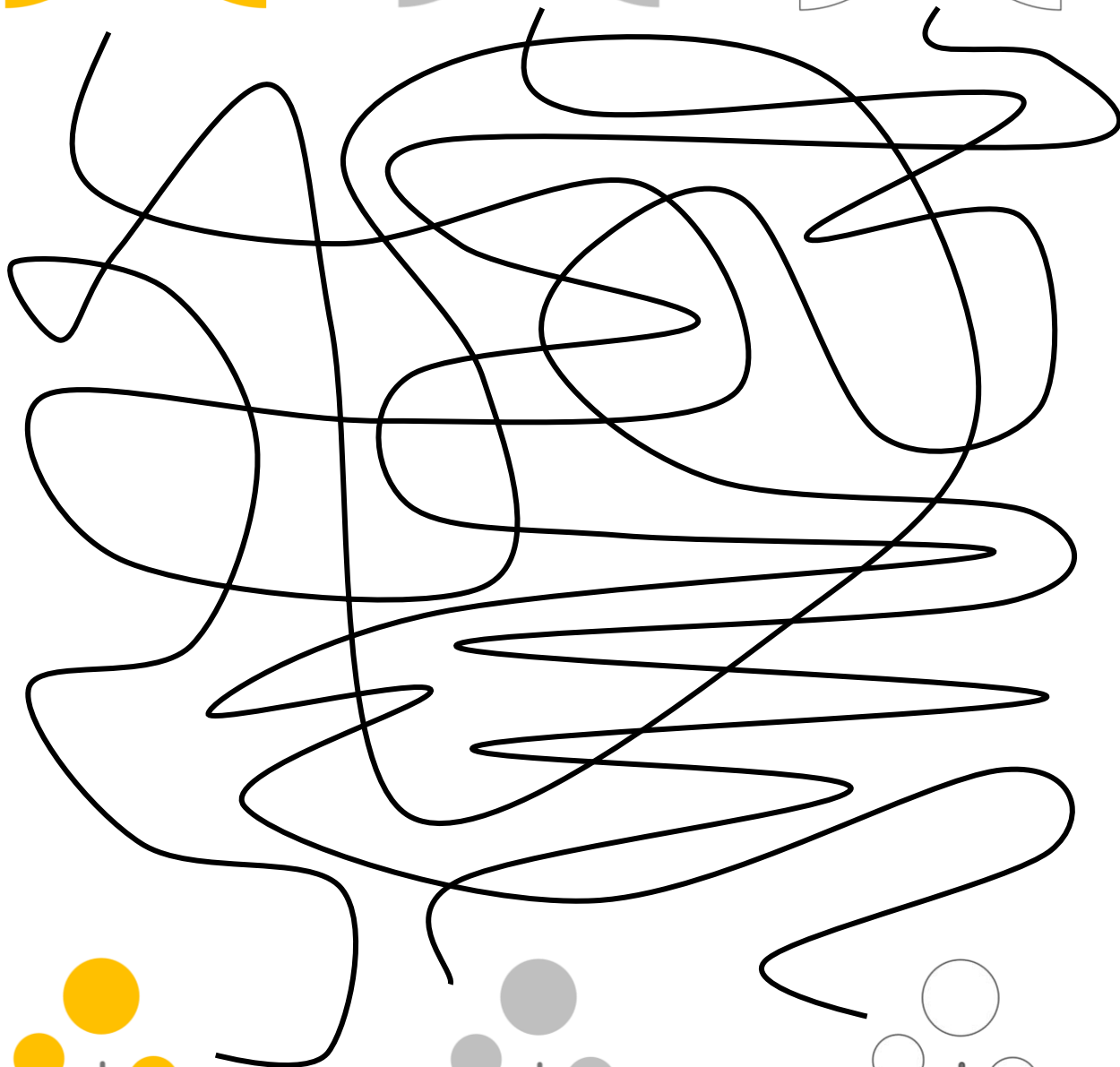
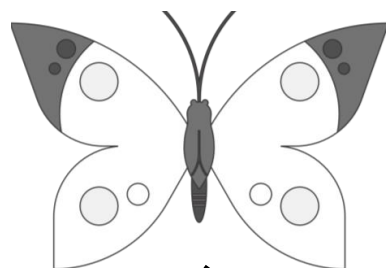
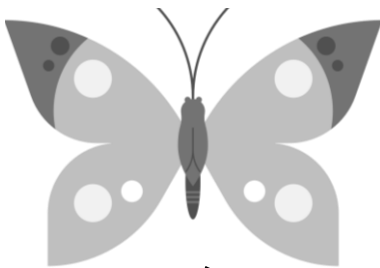
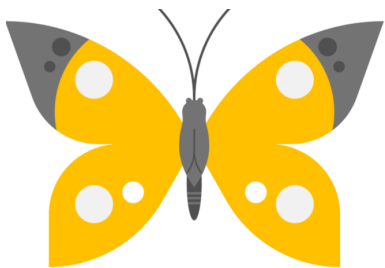
Do you remember the names of the parts of the butterflies' heads?





## How far our butterflies travel!

Help each butterfly reach its flower by colouring its path with the corresponding colour.





## The butterfly body

Listed below are the names of the butterfly body parts, try entering them next to the arrows in the picture.

Rear wing

Abdomen

Veining

Anal angle

Antenna

Margin

Genital organs

Thorax

Front wing

Sub apex

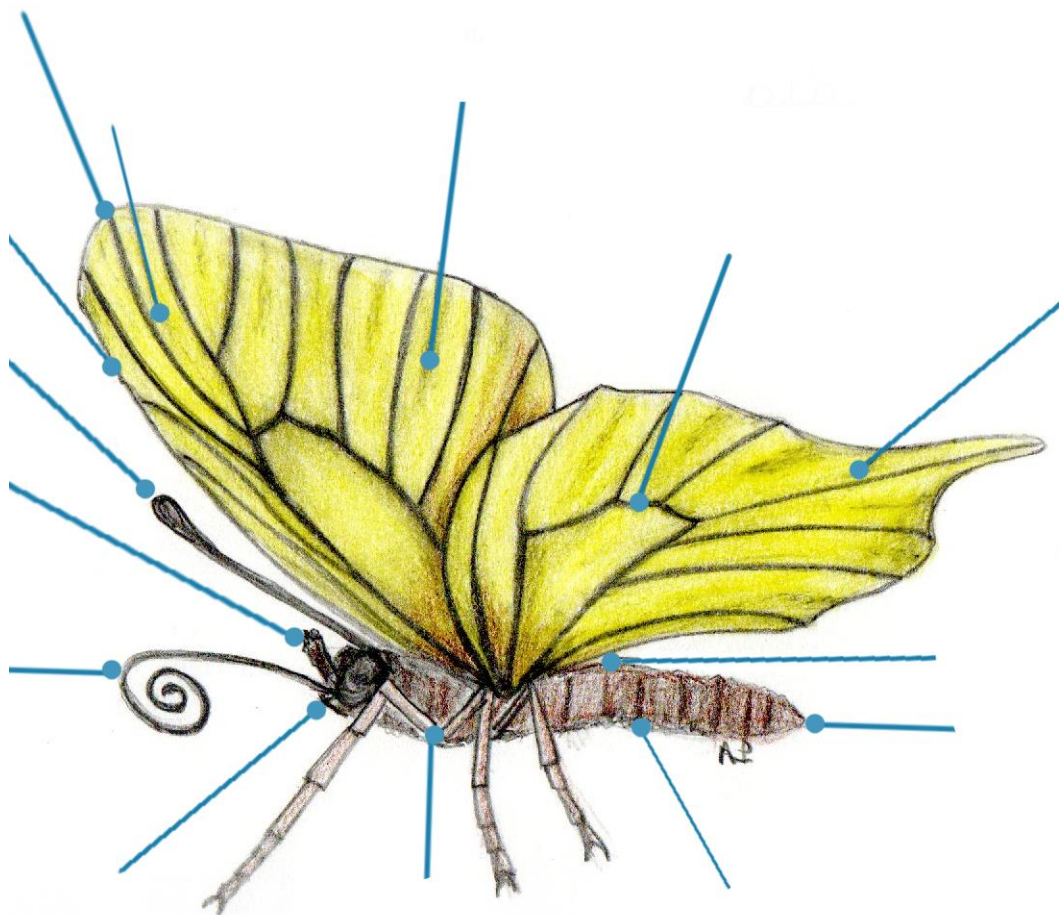
Proboscis

Margin

Labial palpus

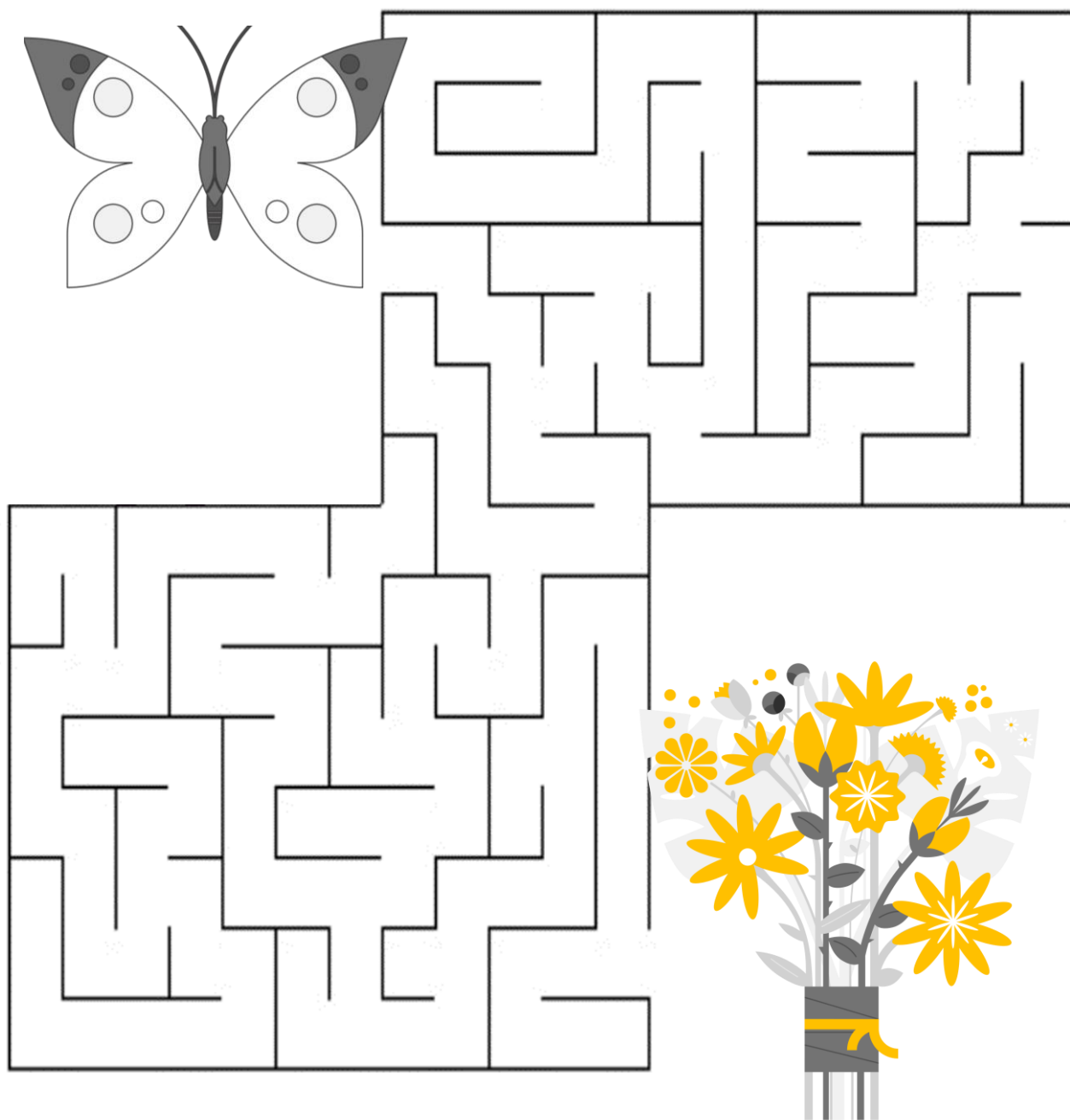
Apex

Compound eye



## So much effort for a good snack!

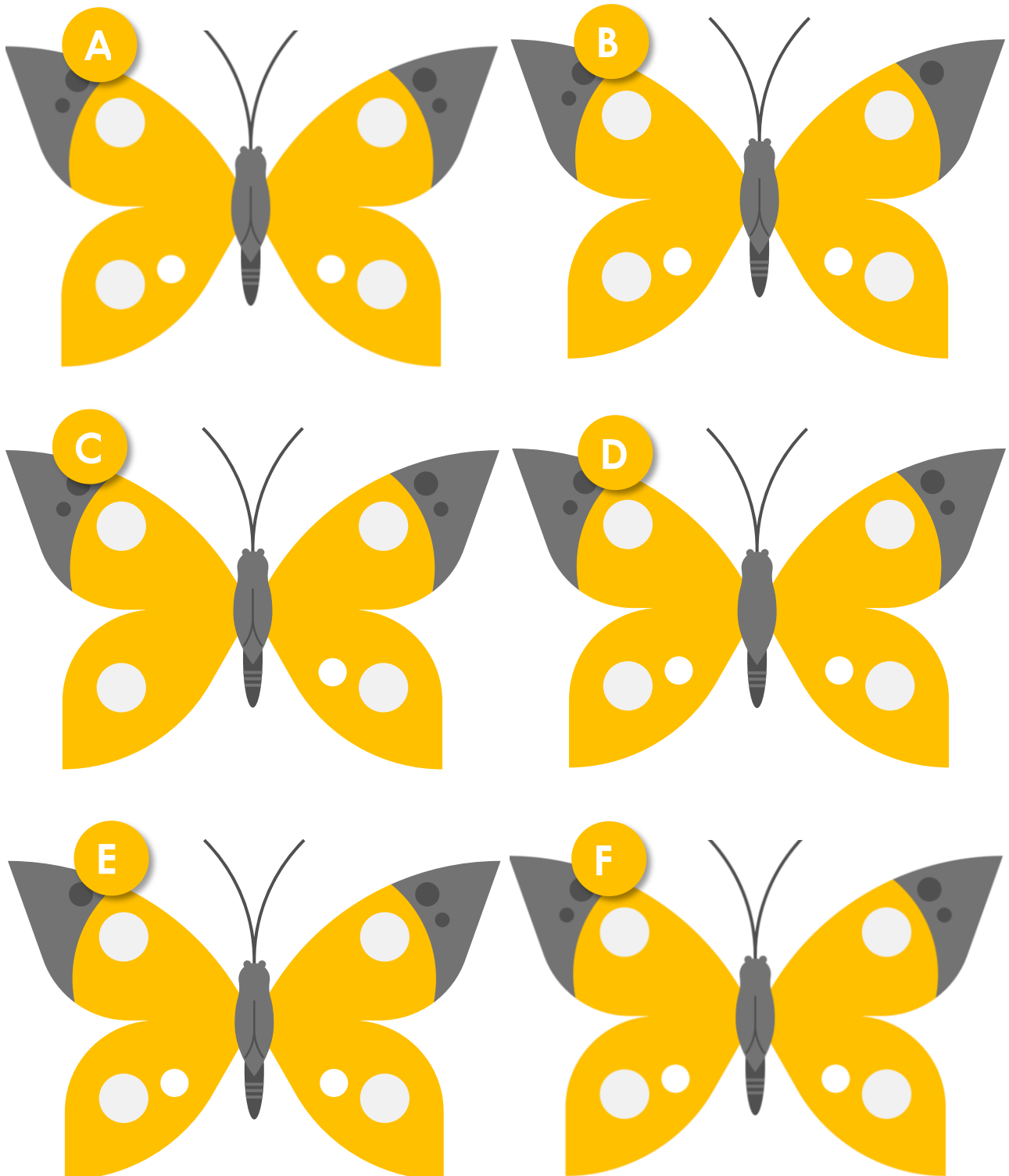
This butterfly needs some nectar,  
but she has an intricate labyrinth in front of her.  
Can you help her reach the flowers?



**These butterflies all look the same, but they are not!**

Look closely: each one has small differences, except for two that are completely identical.

Which are they?



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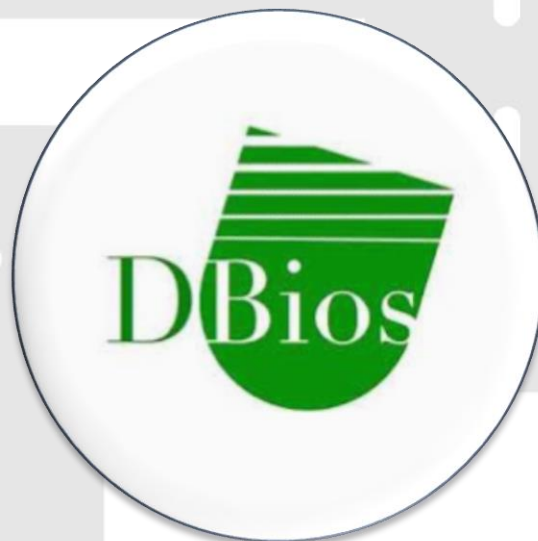
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