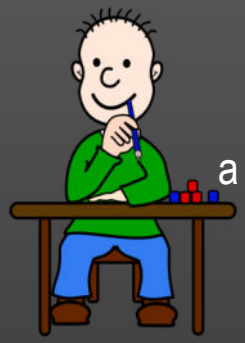
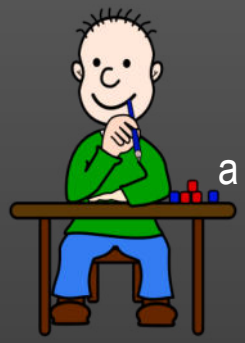
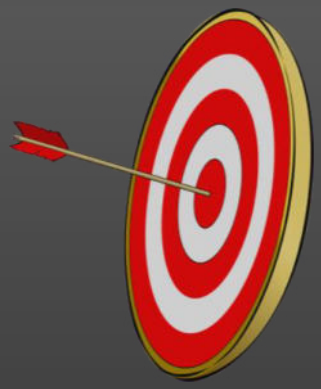


Can you see the snow leopard?



Can you see the snow leopard?

Natural Selection

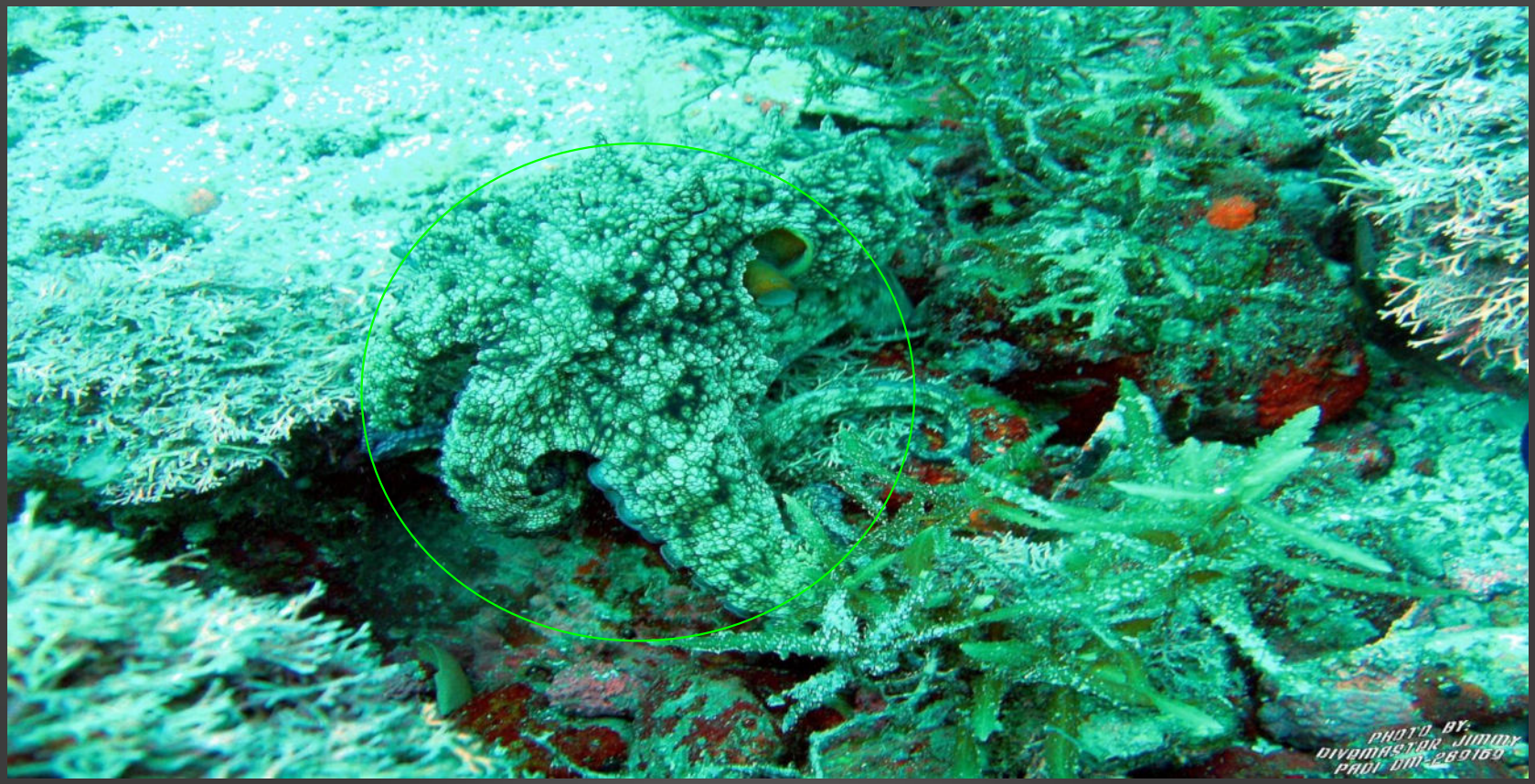


Further develop your understanding of evolution and natural selection.

Recall the story of recent evolution and solve the problem of growth and fall in numbers of the peppered moth.

Find the insect

Find the octopus



Find the frog

All These Animals Are Masters of Camouflage

Why is this important?

What will this mean for these animals?

Will they live longer?

Will they reproduce and bear offspring?

Golden 3 Rules

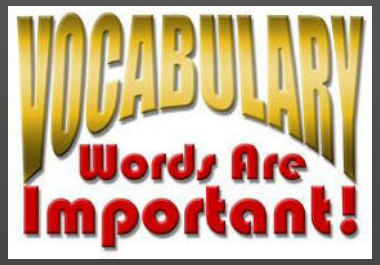
1

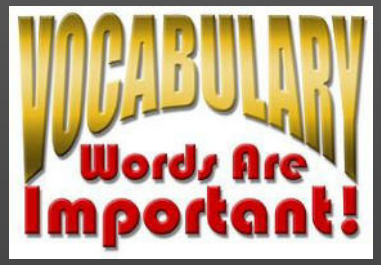
2

3

What are your top 3 points about the importance of camouflage?

Hide from predators and from prey, live longer, better chance of reproducing.





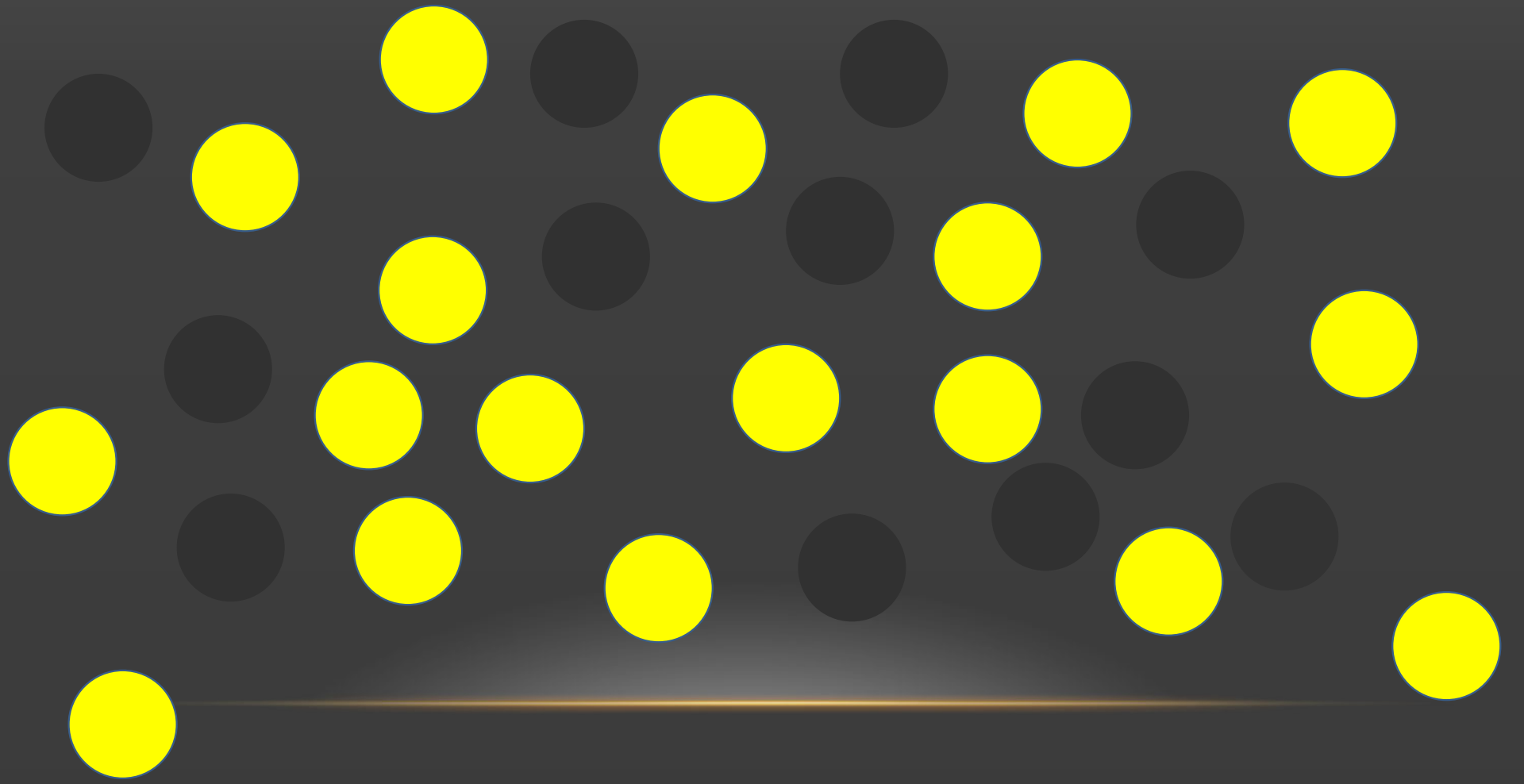
Evolution explains how life on Earth has changed over time.

Adaptations are the features of a living organism that have to help them live in a particular habitat.

A habitat is a place where an organism lives (woodland, pond).

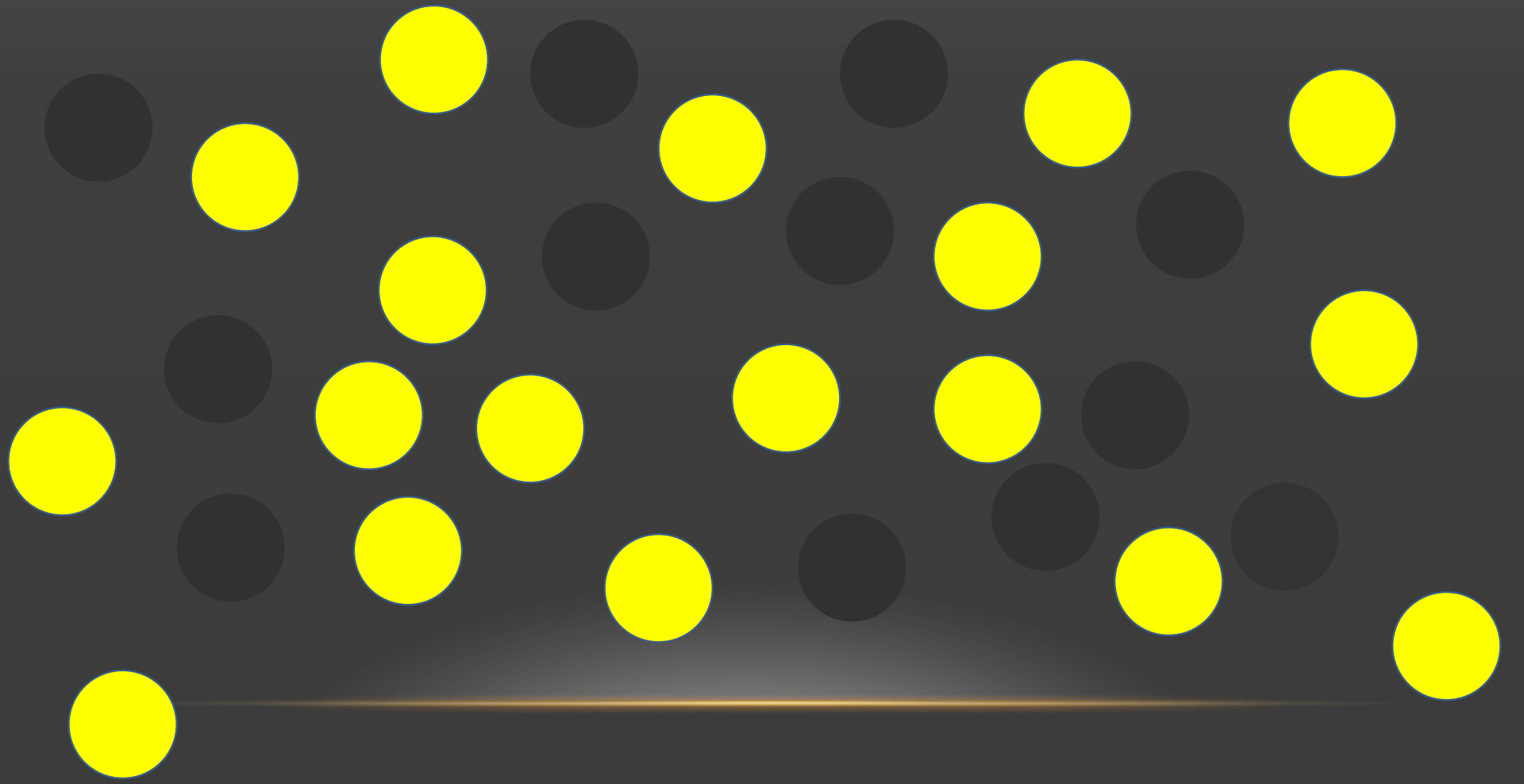
Natural Selection is the idea that individuals with characteristics most suited to the environment are more likely to survive and reproduce.

How many circles are there?



30

Were some easier to see than others?



ENHANCING PRIMARY SCIENCE

Class Hunt

Around the room are some black squares and white squares. You have 30 seconds to find as many as you can.

Story Time

Once upon a time…

A long, long time ago, before the industrial revolution in Britain, trees like the birch tree were pale in colour and most peppered moths were pale in colour too. What did this mean for the white moths?

This meant they were camouflaged.

But a few were black. What do you think this meant for the black moths landing on these white trees?

Yes, they were easily spotted and eaten by predators.

So, what happened to the numbers of each?

Population of white moths

Population of black moths

That's until the factories started pumping out lots of black soot and dust.

What colour did this cause the trees to turn?

So, how did this make life for the white peppered moth?

And the black moth?

ENHANCING PRIMARY SCIENCE

What happened to the numbers of each?

Population of white moths

Population of black moths

Then, over many years, the country started to clean up their act and smoke and soot became less of a problem so the trees began to turn…

ENHANCING PRIMARY SCIENCE

So...how did this make life for the white peppered moth?

And the black moth?

ENHANCING PRIMARY SCIENCE

So, what happened to the numbers of each?

Population of white moths

Population of black moths

FIND THE MOTH

ENHANCING PRIMARY SCIENCE

Let us Talk

In pairs, take it in turns to talk for 30 seconds about the topic you have learnt about without pausing or repeating yourself.

Use the story board to tell the story of this recent, rapid form of natural selection.

Difficult?

What difficulties might a student who is new to today's topic encounter?