**LO:  I can record what I know about livings things and their habitats.**

What do we already know?

Living things and their habitats

On your paper or computer, record all the things you currently know on this topic.

# LO: I understand classification.

## What is classification?

Organising living things in to groups based on their similarities.

Sorting things based on what they have the same.

A *taxonomist* is the proper name for a scientist who classifies.

## LO: I understand classification.

## How do we classify?

Examining similarities and differences

Grouping by shared features e.g has fur, has gills.

Use a criteria or key to determine which group it belongs to.

## LO: I understand classification.

Taxonomists classify living things by comparing them. Let's look at an example of how this works.

Look at the snacks on this table. How could we group them? Taxonomists would start by splitting them into two large groups. Can you think of two groups to use to split up the snacks?

There are several ways you could split these snacks into two groups. Share your ideas with the class.

# LO: I understand classification.

Let's say you split them into 'Healthy' snacks and 'Unhealthy' snacks.

Now each group can be split into another two groups. Look at the 'Healthy' snacks. How could you split them into two smaller groups?

# LO: I understand classification.

Let's say you split them into 'Healthy' snacks and 'Unhealthy' snacks.

Now each group can be split into another two groups. Look at the 'Healthy' snacks. How could you split them into two smaller groups?

# LO: I understand classification.

Again, there are several ways you could split these snacks into two groups.

They could be grouped into 'Fruits' and 'Vegetables'.

**<u>LO: I understand classification</u>**.

What criteria could we use to further sort so that we separate these 2 vegetables?

# LO: I understand classification.

Your turn!

Classification of... biscuits!
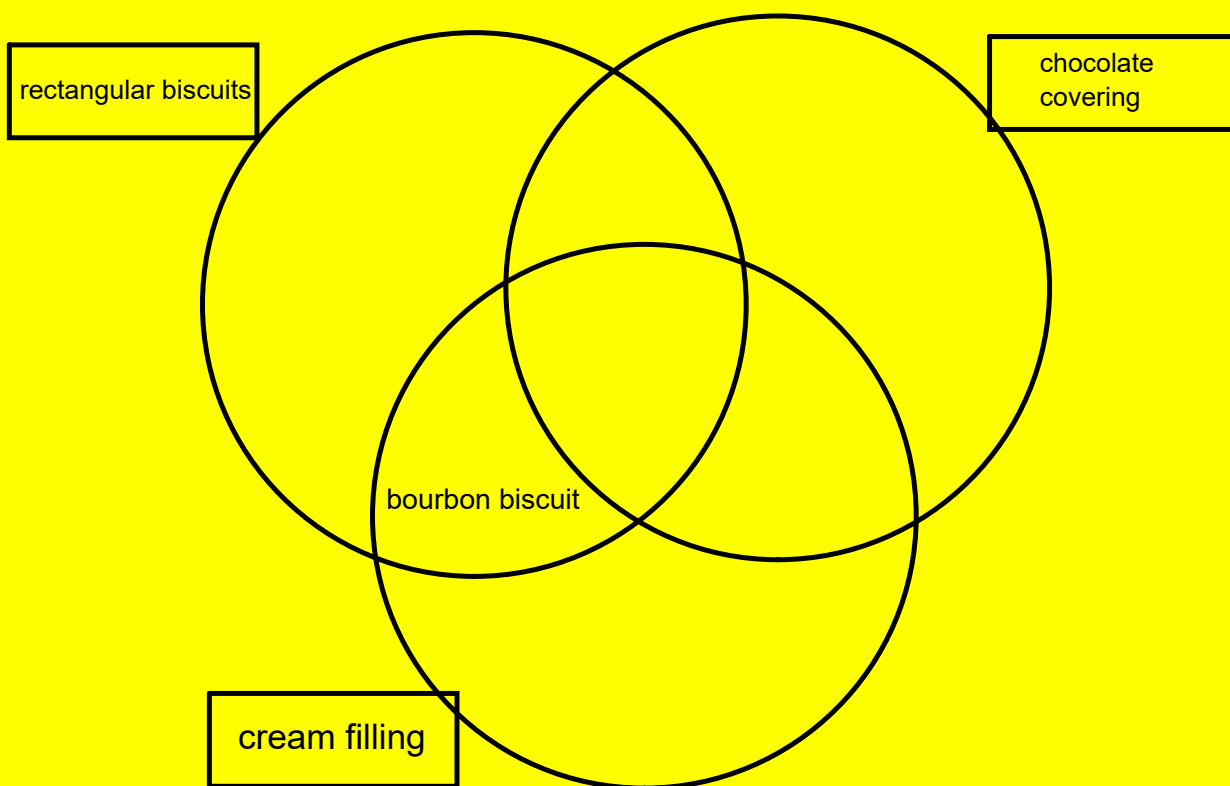
How many different ways can you classify  biscuits?
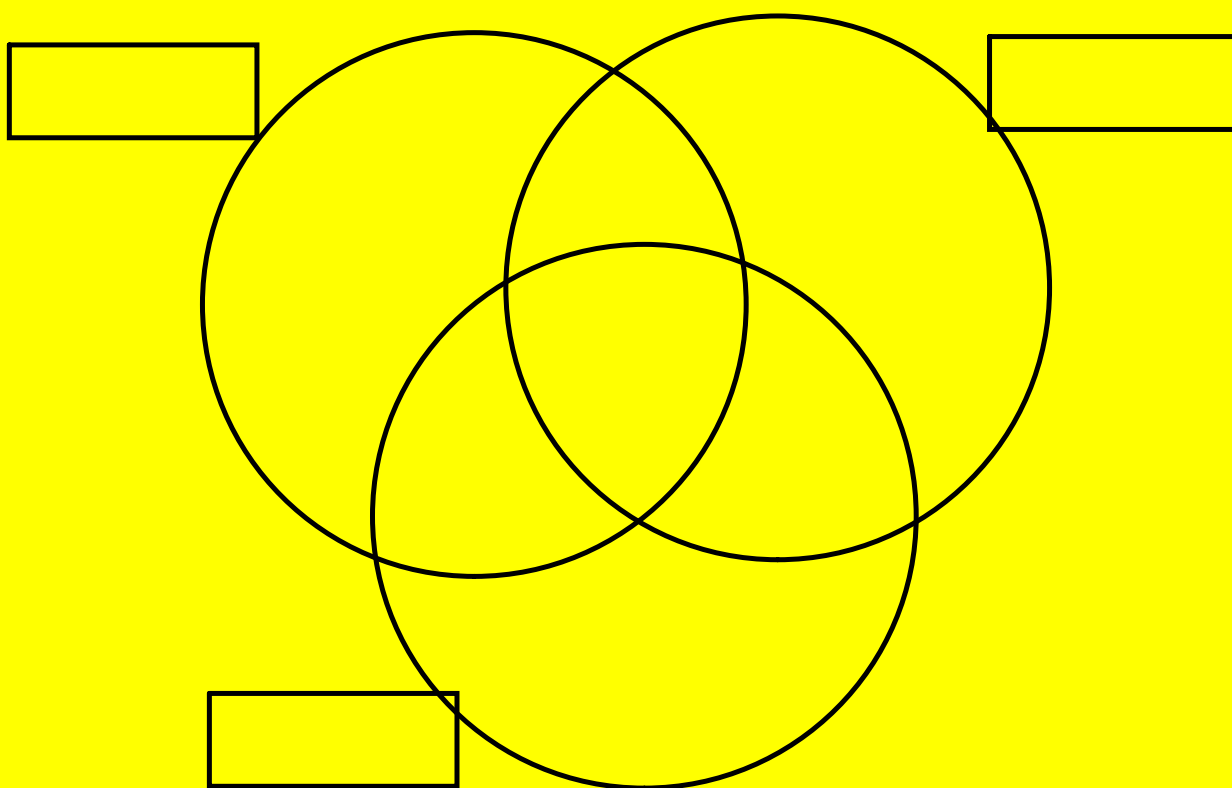
E.g. Contains chocolate

Shape

Colour

**LO: I understand classification**.
  Create a venn diagram to sort the biscuits. For example...

rectangular biscuits

chocolate covering

bourbon biscuit

cream filling

**LO: I understand classification**.
  Create a venn diagram to sort the biscuits.

# LO: I can use a carroll diagram to classify.

|  | Has brown hair | Does not have brown hair |
|---|---|---|
| Taller than Miss Matheson/ my Mum/my oldest sibling |  |  |
| Not taller than Miss Matheson/ my Mum/my oldest sibling | . |  |

# LO: I can use a carroll diagram to classify.

Create a carroll diagram to sort biscuits

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

## LO: I understand classification.
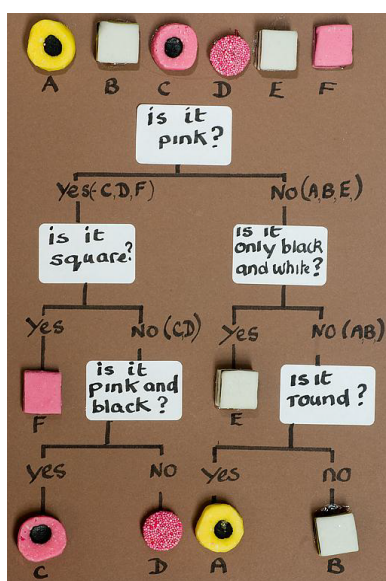
**LO: I understand classification**.

This is a branching tree diagram. We can use it to sort children.

Boy?

Blonde?

No

Yes

No        Yes

Short

No        Yes
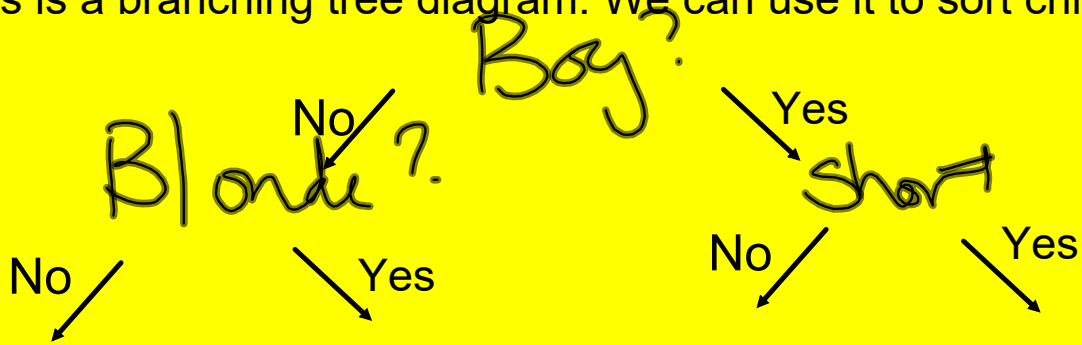
We would continue the diagram until it named a child in the class.

<u>**LO: I understand classification**</u>.

So many ways of classifying something as simple as biscuits!
So how do scientists classify all living things?

## The 5 kingdoms: