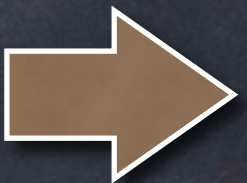


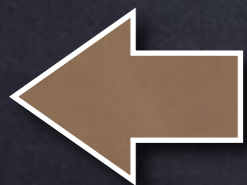
Rocks, Fossils and Soils

Learning Objective:

To be able to group rocks according to their characteristics.



How could you organise these rocks into groups?



What criterion has been used to sort these rocks?



All these rocks are one colour



All these rocks are more than one colour



What criterion has been used to sort these rocks?



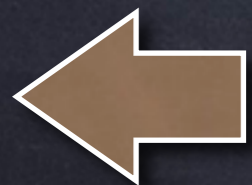
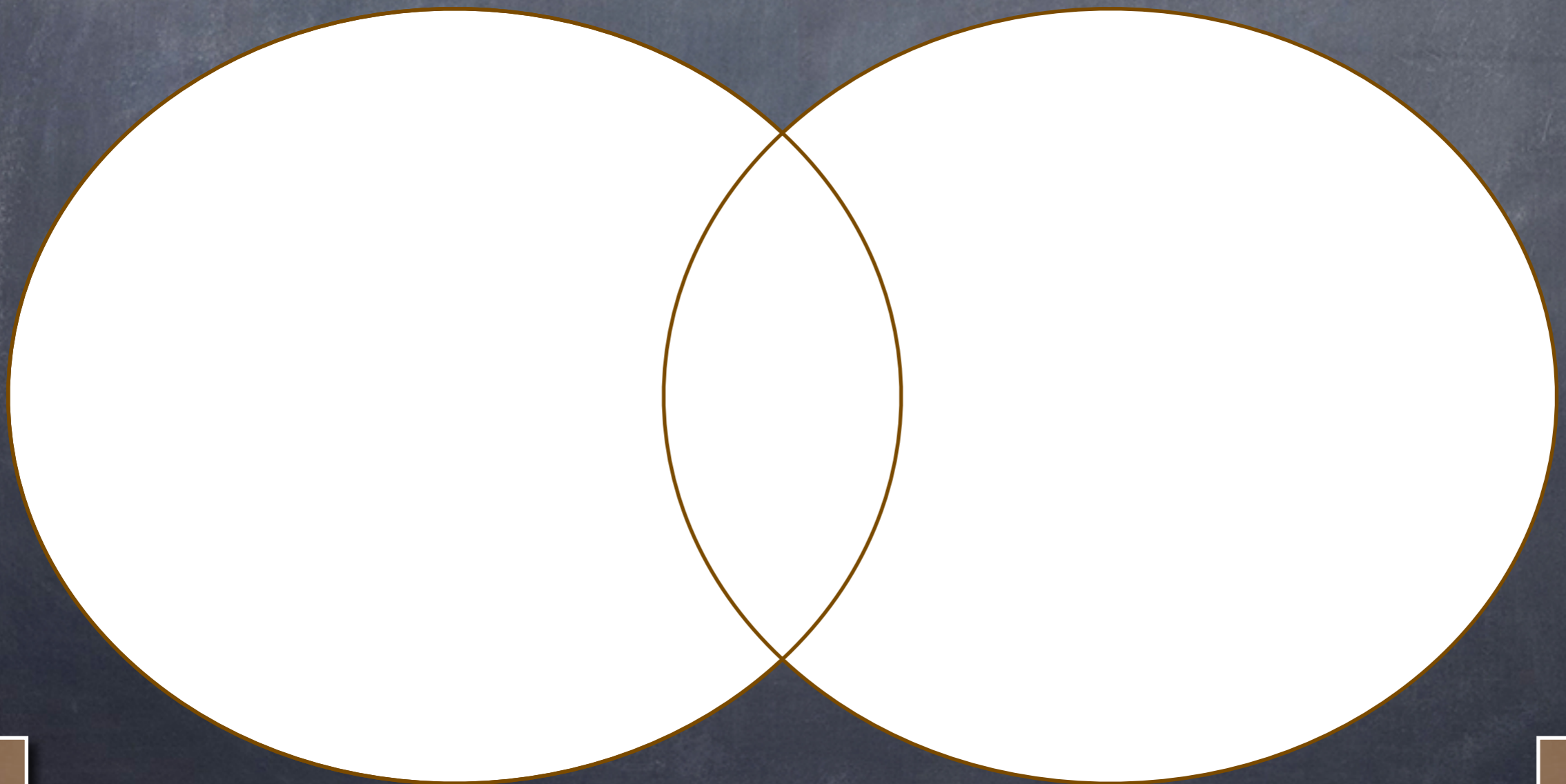
These rocks all have sharp edges



These rocks all have smooth edges



When you are sorting rocks according to their characteristics, there are lots of charts you can use to help you organise the rocks. This is a Venn diagram. The space in the middle of the two circles is for a rock that can fit into both categories.



Where would these rocks go in this Venn diagram?
Would any of them be in the middle?

Pale-coloured rocks

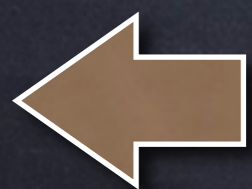
Dark-coloured rocks



Do you agree with the way this Venn diagram has sorted these rocks? Why or why not?

Pale-coloured rocks

Dark-coloured rocks



This is a Carroll diagram. This enables you to sort the rocks using more than one category. Can you spot any rock that is in the wrong place?

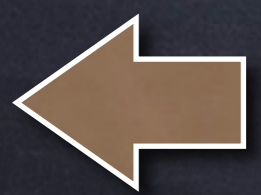
	Smooth rocks	Rough rocks
Pale rocks		
Dark rocks		



	Smooth rocks	Rough rocks
Pale rocks		
Dark rocks		

Is this rock dark or pale?
Some people might disagree...

This rock is pale



Why do you think it is important to be able to group rocks according to their characteristics?

