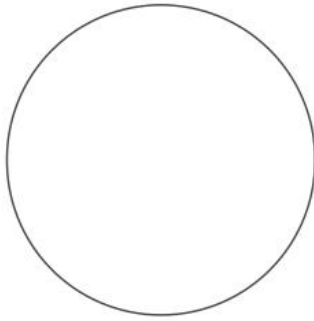


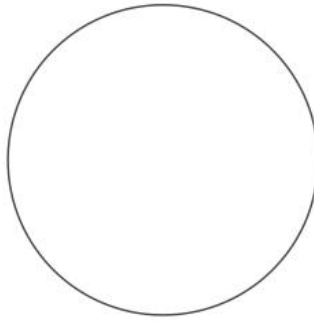


1 • MY CATEGORIES

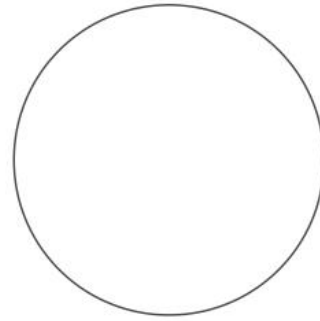
Grab a handful of things from a junk drawer or from around the house, put them on the floor, and decide on your categories. Write each category's name on its line, then draw the things that went in that circle.



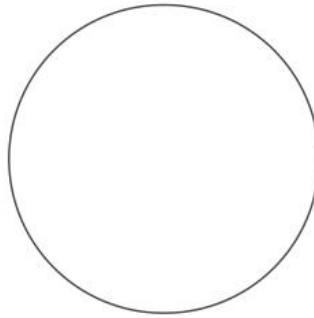
Category 1



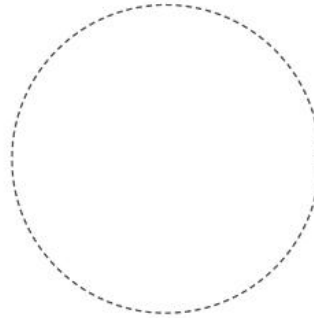
Category 2



Category 3



Category 4



things that fit nowhere yet
(scientists keep this pile too!)

2 • COUNT EACH CATEGORY

Use the same groups as your circles above. Make one tally mark for every thing in that group, then write the total.

CATEGORY	TALLY MARKS	TOTAL
Category 1		
Category 2		
Category 3		
Category 4		

Both at Once & Groups Inside Groups



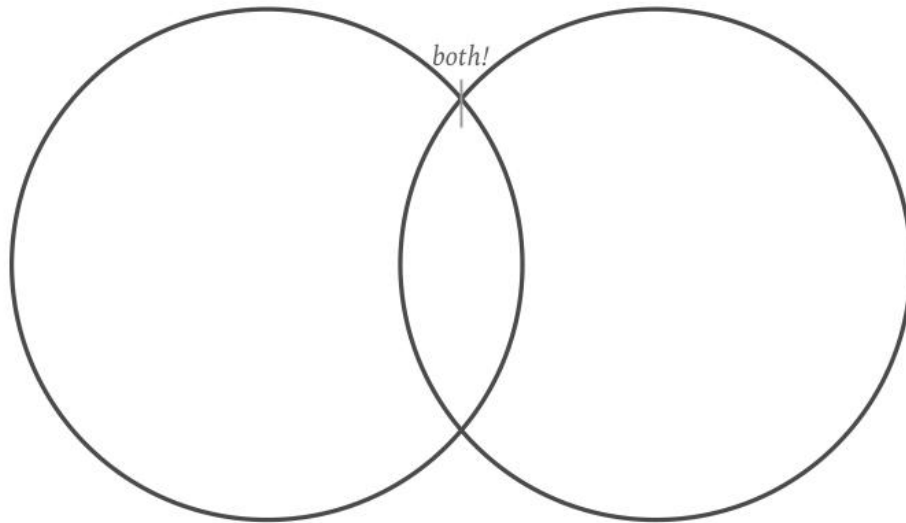
A Venn diagram and a tree diagram — real scientists' tools

1 • THE TWO-CIRCLE SORT — A VENN DIAGRAM

Just like the floor hoops: write (or have a grown-up letter) each circle's category on its line, then draw each thing where it belongs. A thing that fits **both** circles stands in the middle.

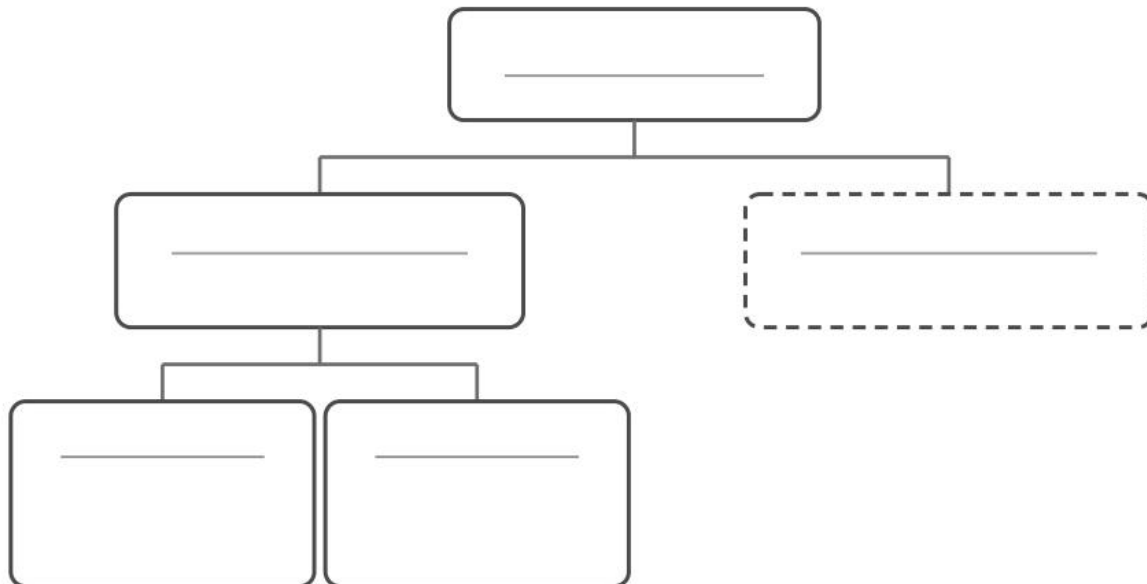
circle 1 is things that are...

circle 2 is things that are...



2 • GROUPS INSIDE GROUPS — THE FOOD TREE

Write each group's name on its line, then draw foods in the open space below it. A grown-up can help with the writing.



3 • THINK LIKE A SCIENTIST

Point to a **subcategory** on your tree. Tell someone: what bigger group does it live inside?