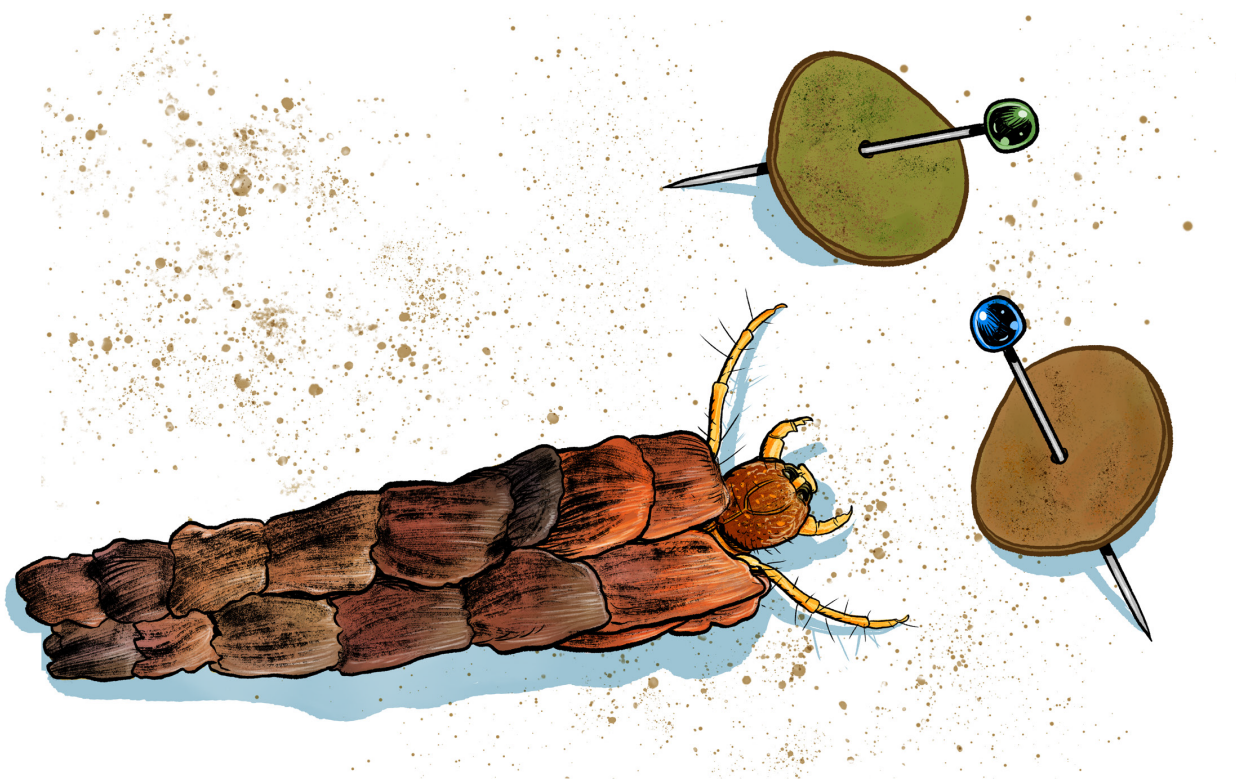
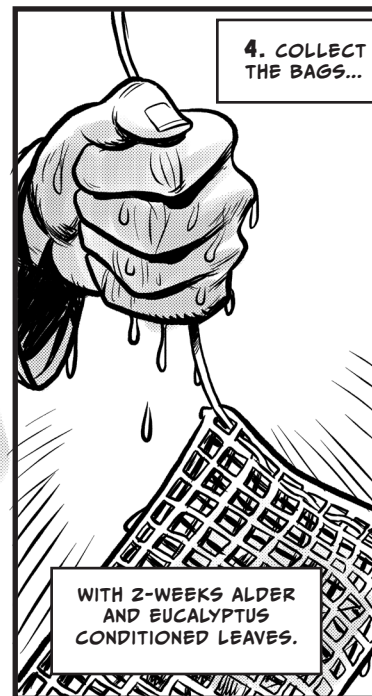
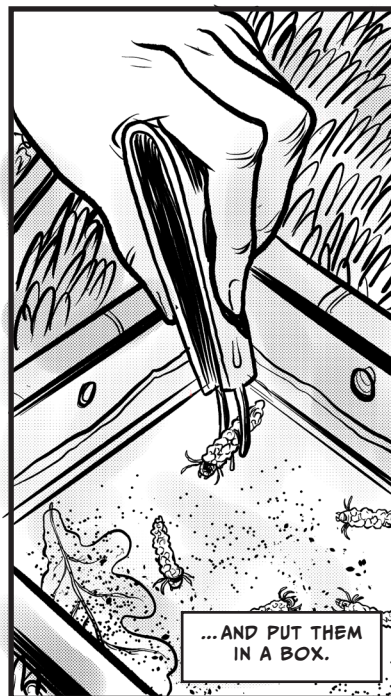
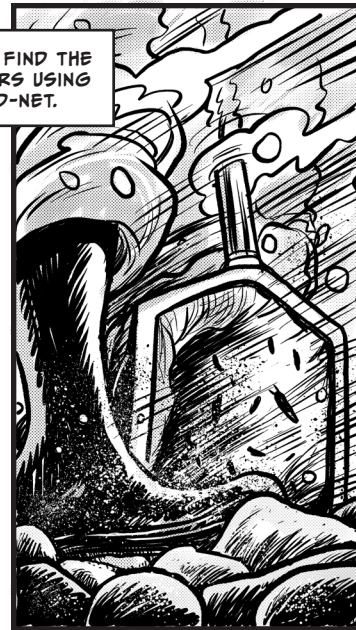


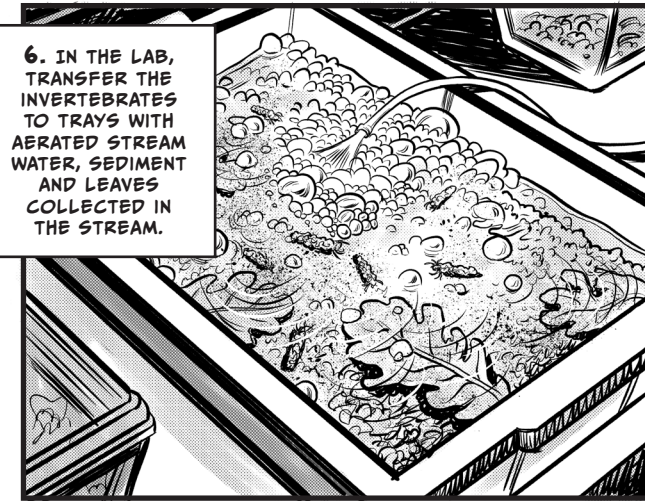
# WHICH SHOULD I EAT?

By Cristina Canhoto & Ana Lúcia Gonçalves & Aingeru Martínez

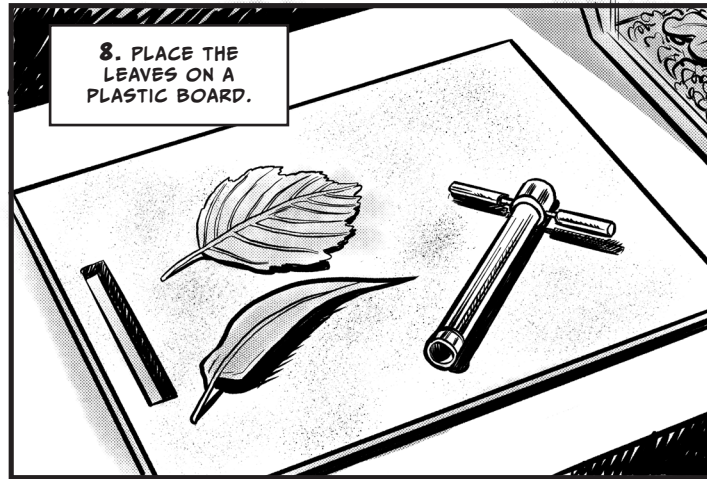
Illustrations by André Caetano



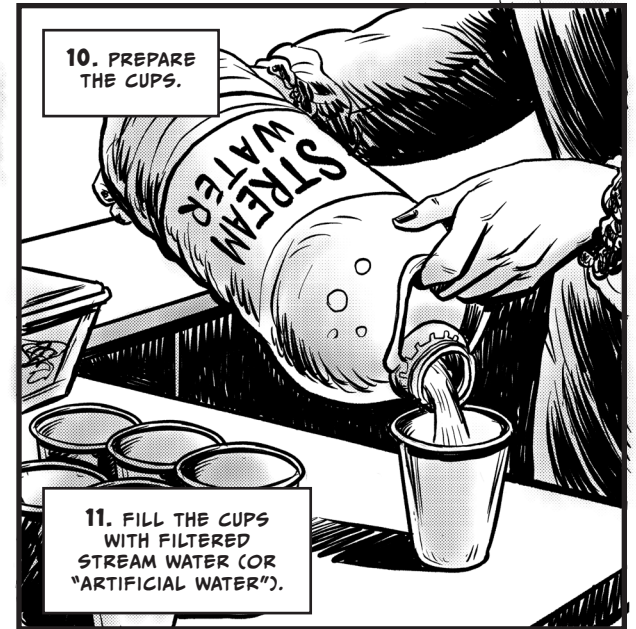




6. IN THE LAB, TRANSFER THE INVERTEBRATES TO TRAYS WITH AERATED STREAM WATER, SEDIMENT AND LEAVES COLLECTED IN THE STREAM.



8. PLACE THE LEAVES ON A PLASTIC BOARD.



10. PREPARE THE CUPS.



7. CAREFULLY WASH THE LEAVES FROM THE BAGS WITH DISTILLED WATER.



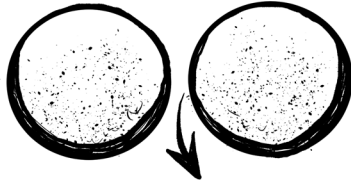
9. OBTAIN SYMMETRICAL CIRCLES WITH A CORK BORER (~Ø=1 CM)



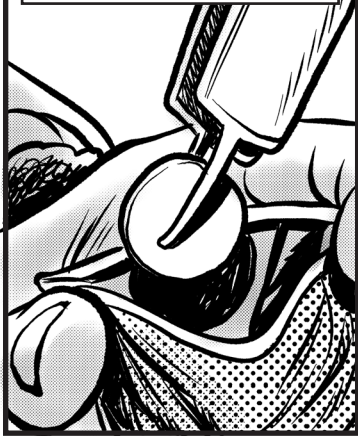
12. ADD 2 TEA SPOONS OF STREAM SEDIMENT TO EACH CUP.

13. PREPARE THE PAIRS OF DISCS AS SHOWN. INCLUDE, IN EACH CUP, ONE PAIR OF ALDER AND ONE PAIR OF EUCALYPTUS DISCS.

14. PLACE ONE DISC OF EACH PAIR INSIDE A FINE MESH BAG.



15. THE DISC MUST BE IMMERSIED IN THE WATER.



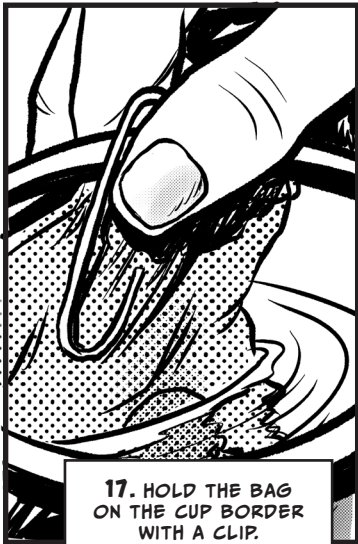
16. MARK THE CORRESPONDING LEAF DISC WITH A PIN WITH A HEAD OF THE SAME COLOUR OF THE CLIP.



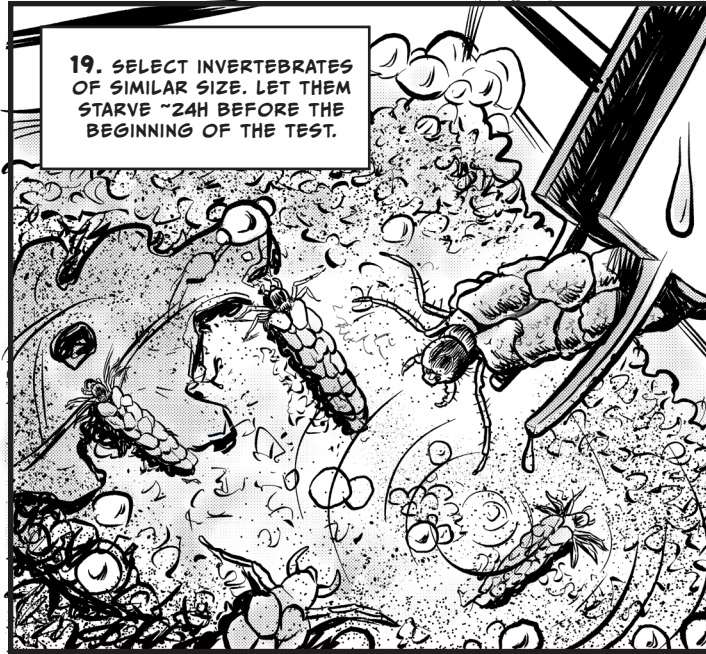
18. PLACE THE PIN WITH THE DISC OVER THE SEDIMENT.



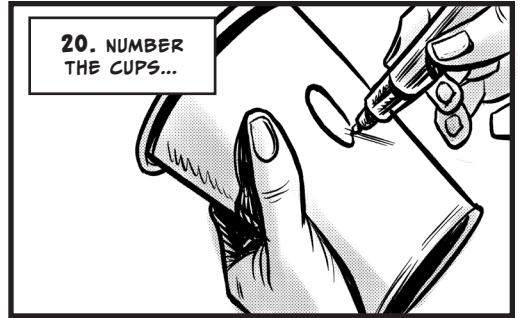
17. HOLD THE BAG ON THE CUP BORDER WITH A CLIP.



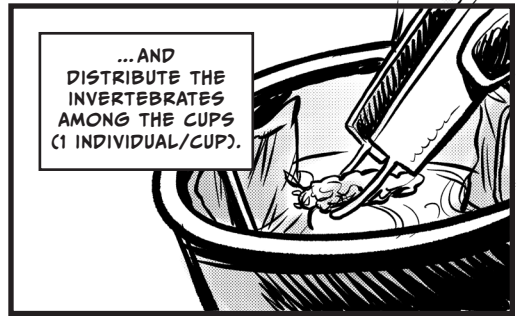
19. SELECT INVERTEBRATES OF SIMILAR SIZE. LET THEM STARVE ~24H BEFORE THE BEGINNING OF THE TEST.



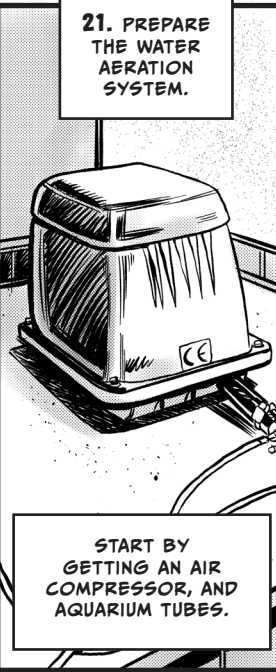
20. NUMBER THE CUPS...



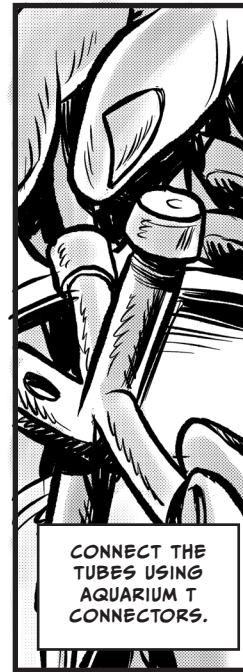
...AND DISTRIBUTE THE INVERTEBRATES AMONG THE CUPS (1 INDIVIDUAL/CUP).



21. PREPARE THE WATER AERATION SYSTEM.



START BY GETTING AN AIR COMPRESSOR, AND AQUARIUM TUBES.

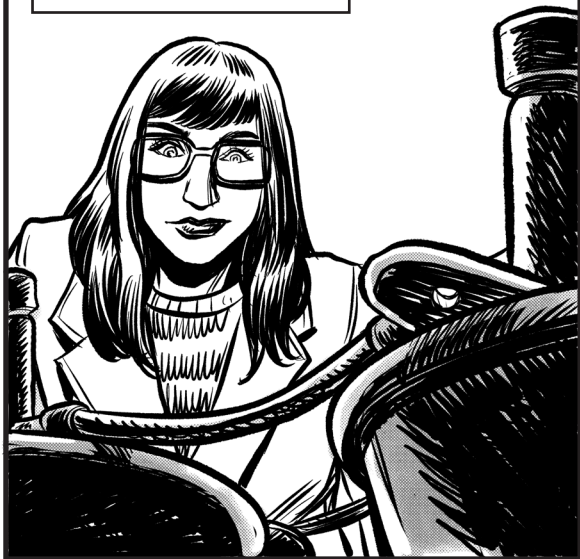


CONNECT THE TUBES USING AQUARIUM T CONNECTORS.

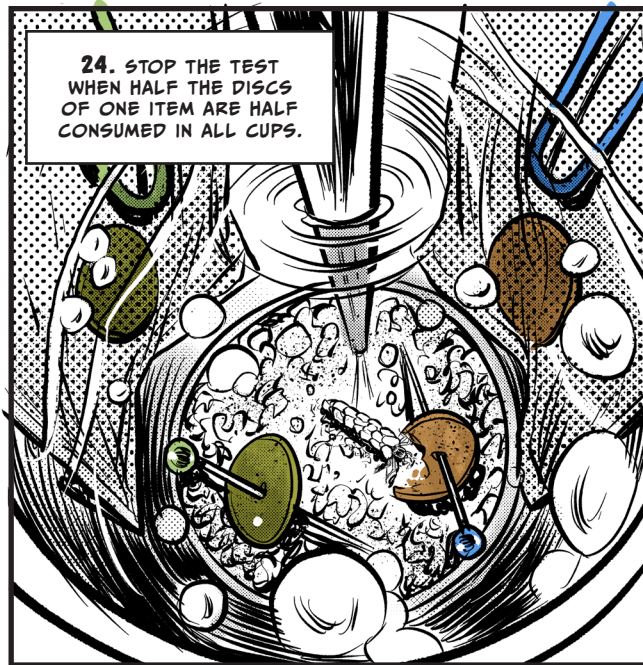


22. TRY TO MAKE SEQUENCES OF 10 AERATED CUPS.

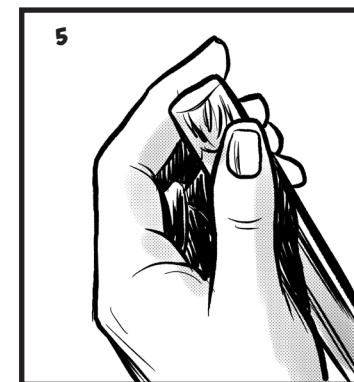
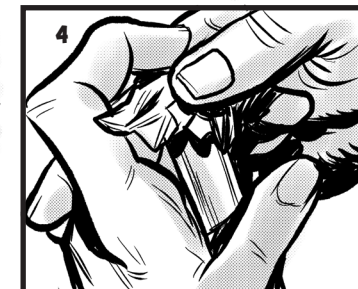
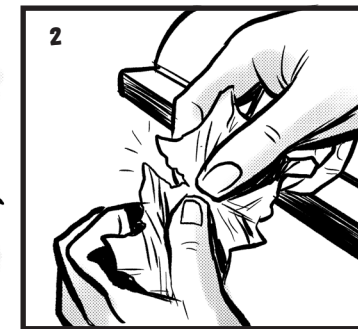
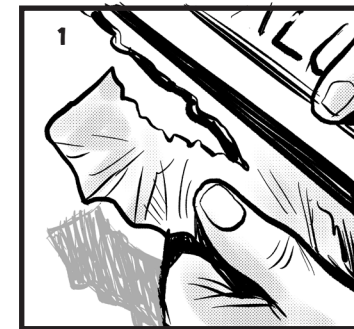
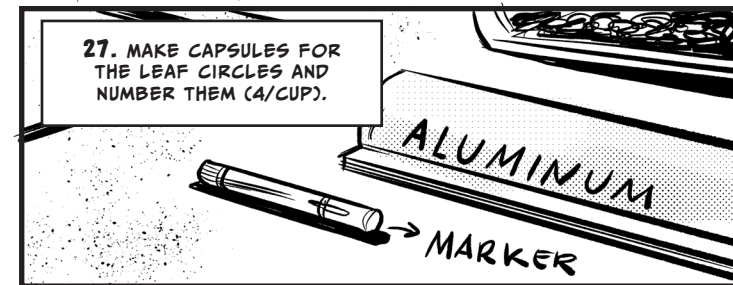
23. OBSERVE VISIBLE CONSUMPTION OF DISCS.



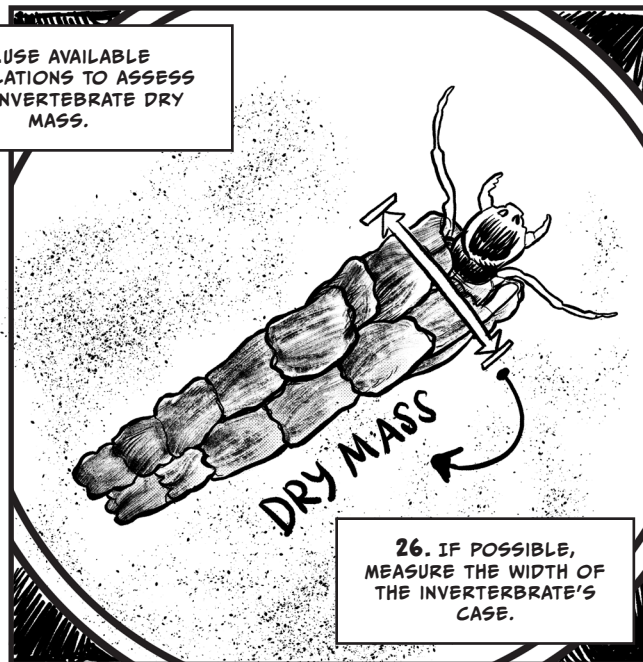
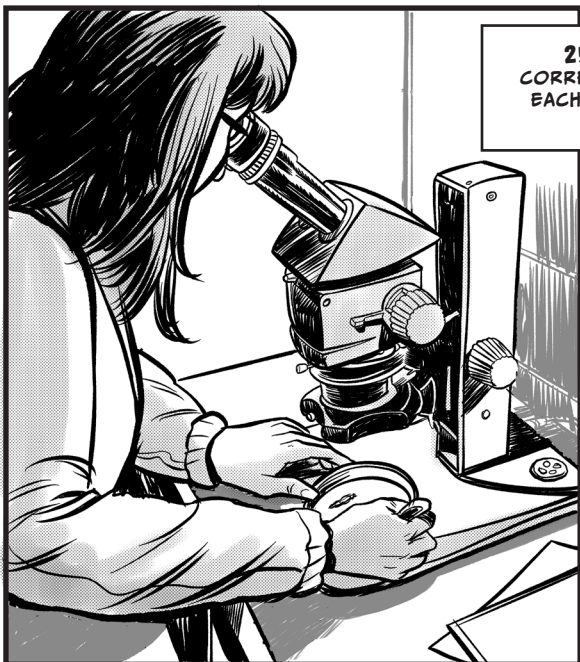
24. STOP THE TEST WHEN HALF THE DISCS OF ONE ITEM ARE HALF CONSUMED IN ALL CUPS.



27. MAKE CAPSULES FOR THE LEAF CIRCLES AND NUMBER THEM (4/CUP).



25. USE AVAILABLE CORRELATIONS TO ASSESS EACH INVERTEBRATE DRY MASS.



26. IF POSSIBLE, MEASURE THE WIDTH OF THE INVERTEBRATE'S CASE.

