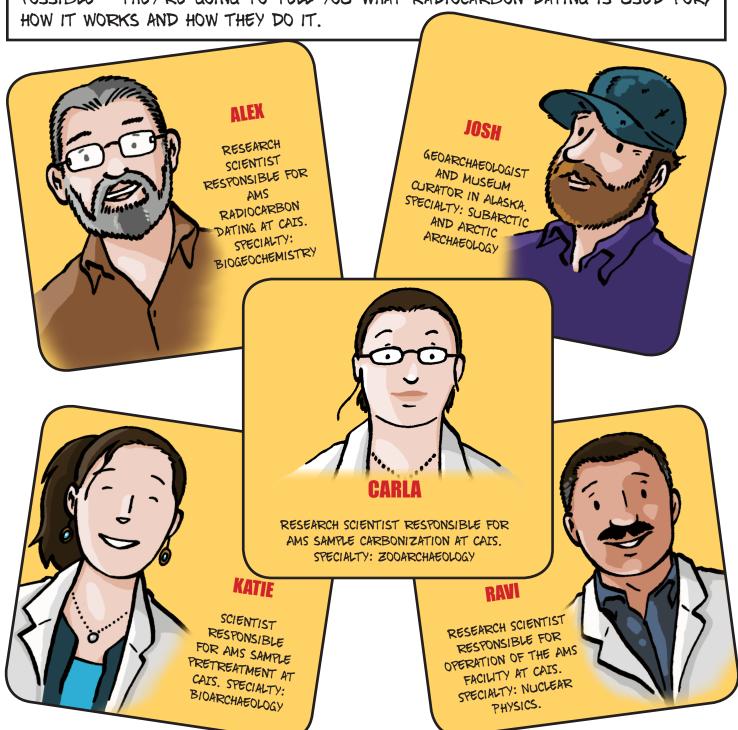
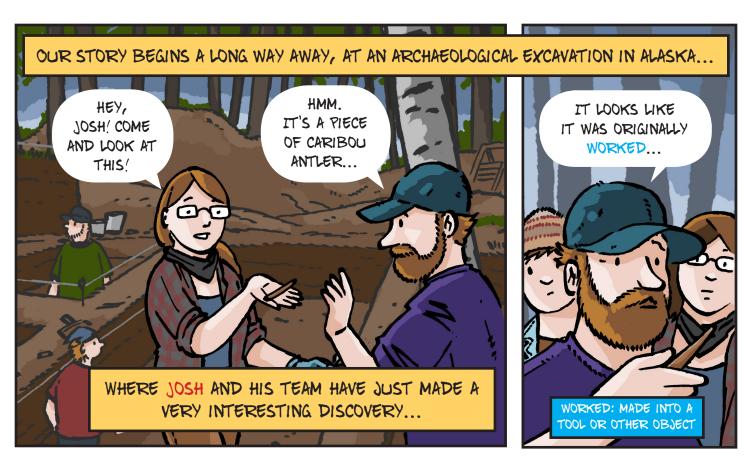


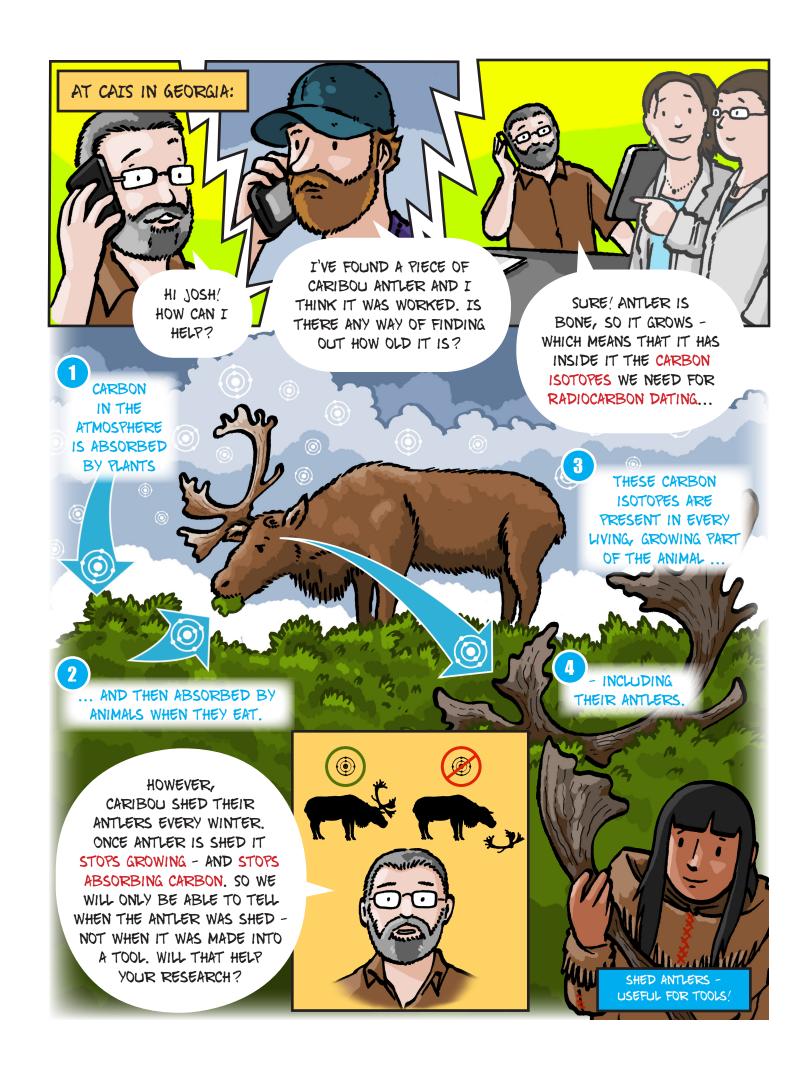
WELCOME TO THE CENTER FOR APPLIED ISOTOPE STUDIES (CAIS), AND THE AMAZING WORLD OF RADIOCARBON DATING - WHERE ARCHAEOLOGISTS AND PHYSICISTS USE SCIENCE TO UNLOCK THE PAST! WE'RE GOING TO BE SHOWING YOU HOW THE CARBON INSIDE ANCIENT BONES CAN TELL US HOW OLD SOMETHING IS - EVEN SOMETHING THAT'S BEEN BURIED IN THE EARTH FOR THOUSANDS OF YEARS.

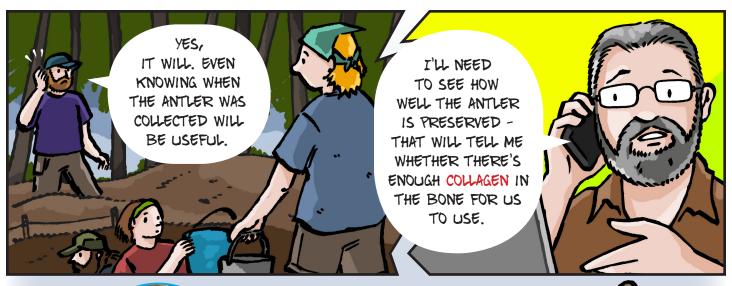
DOING THIS KIND OF SCIENCE TAKES A WHOLE TEAM OF PEOPLE. HERE ARE THE ARCHAEOLOGISTS AND RESEARCH SCIENTISTS AT CAIS WHO MAKE RADIOCARBON DATING POSSIBLE - THEY'RE GOING TO TELL YOU WHAT RADIOCARBON DATING IS USED FOR, HOW IT WORKS AND HOW THEY DO IT.

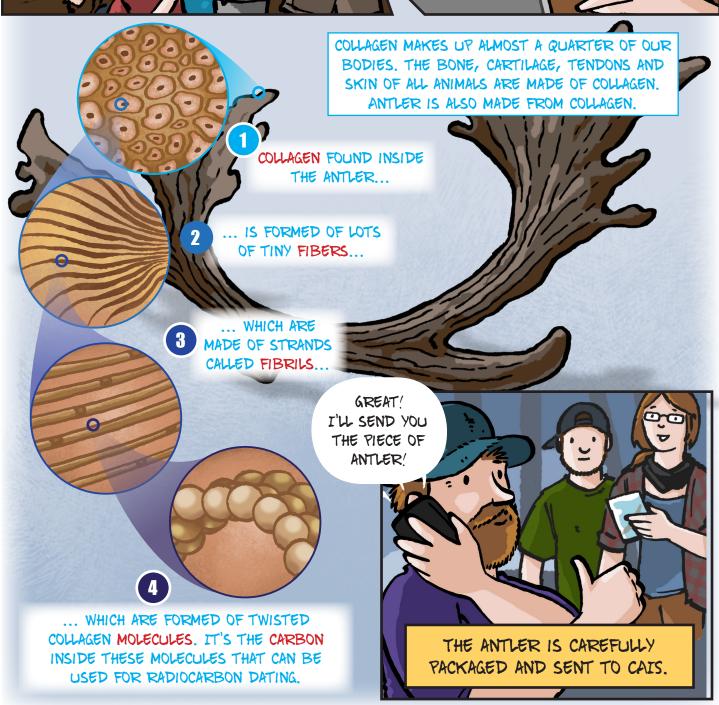




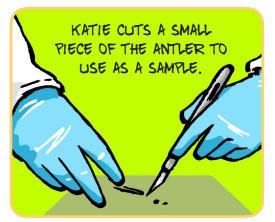


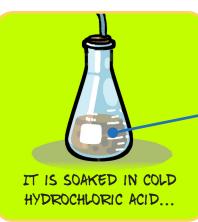










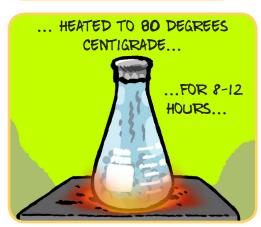


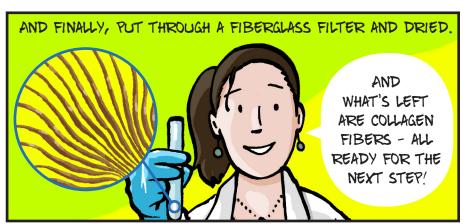


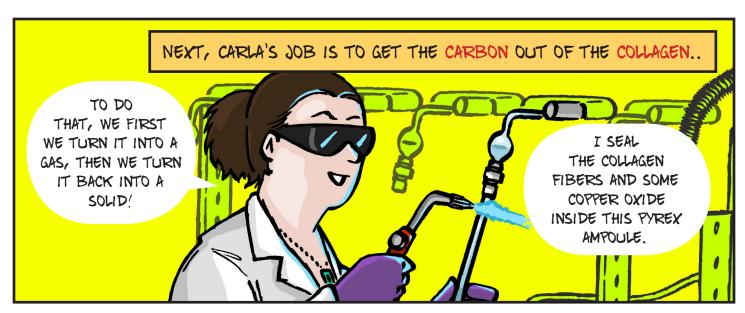


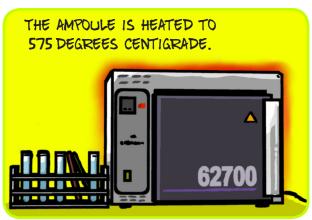


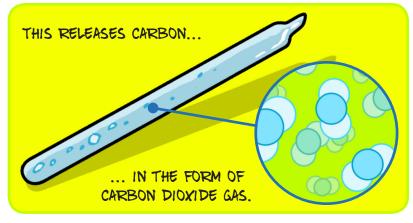




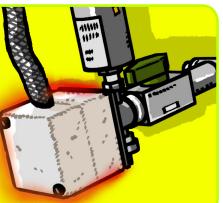


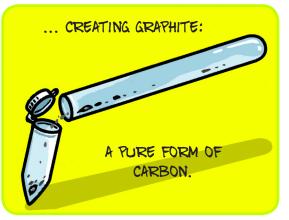


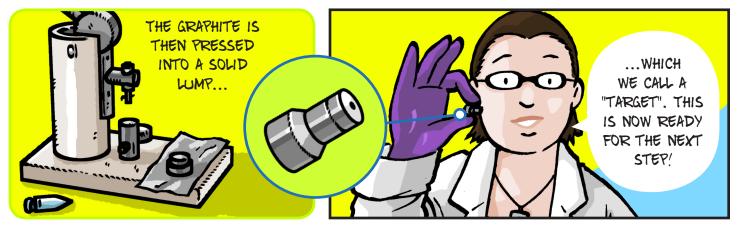


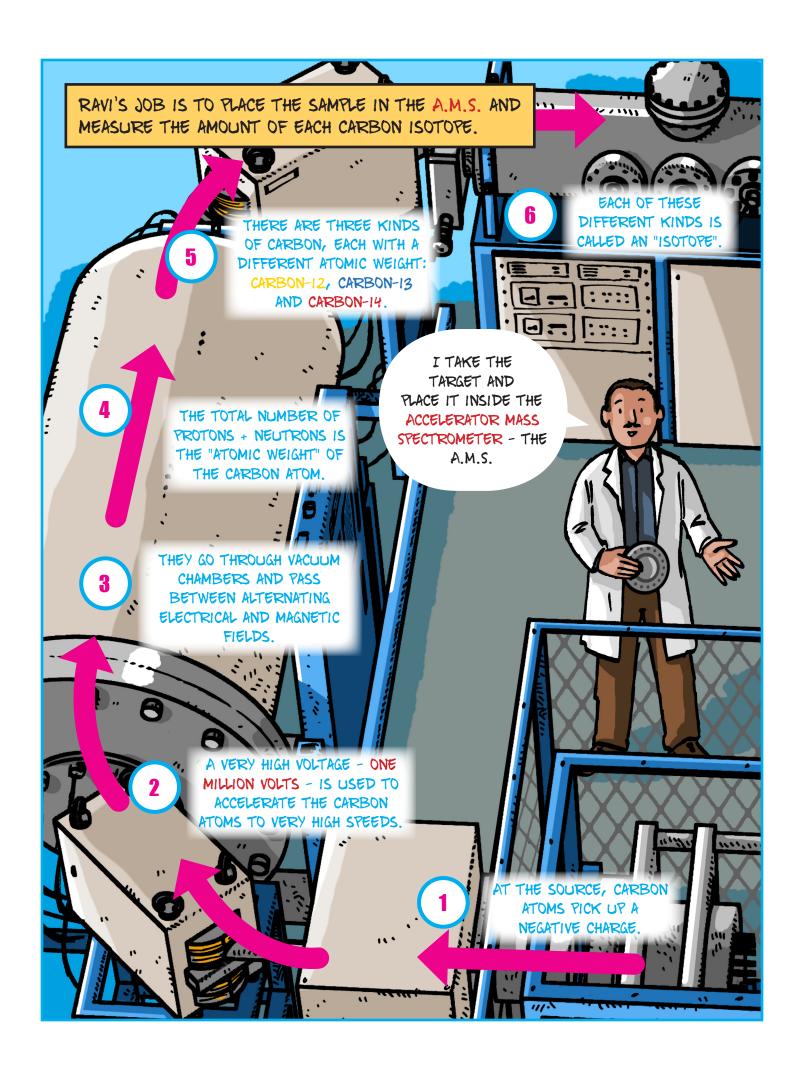


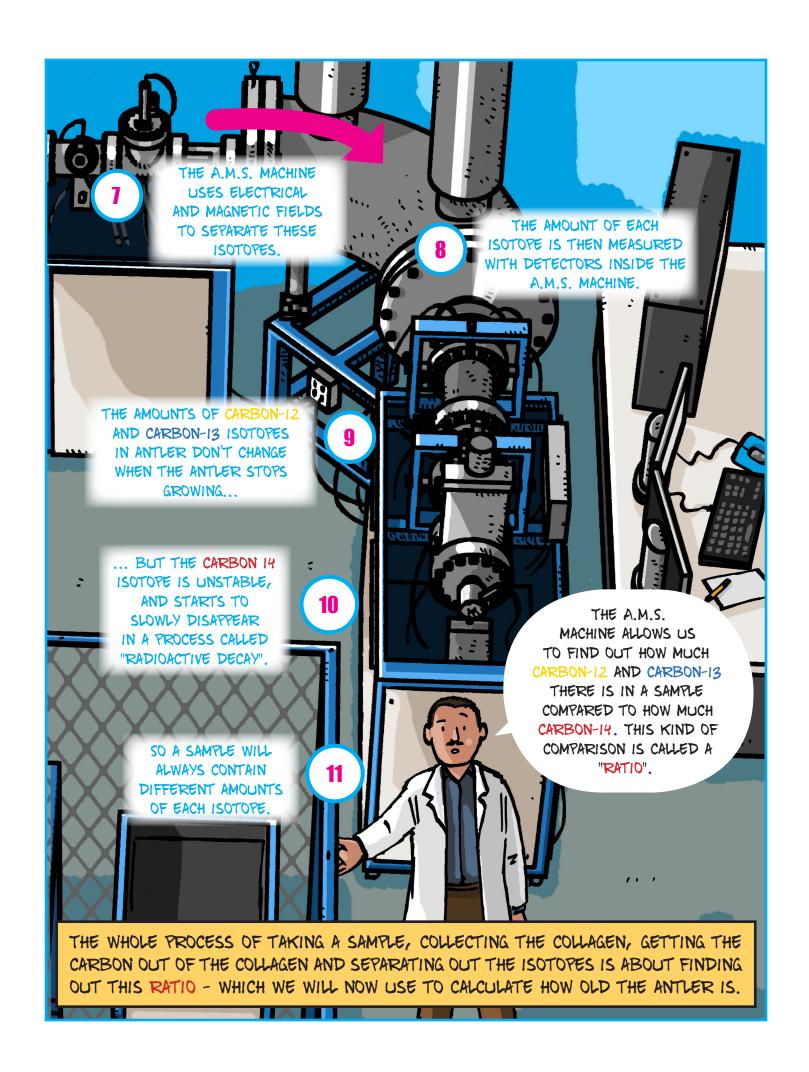
TO REMOVE THE OXYGEN AND GET PURE CARBON, HYDROGEN GAS AND IRON ARE ADDED AND HEATED AGAIN, TO 580 DEGREES CENTIGRADE...



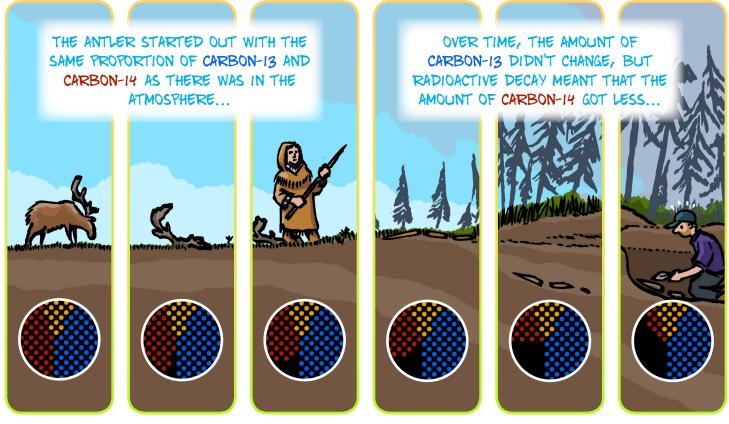




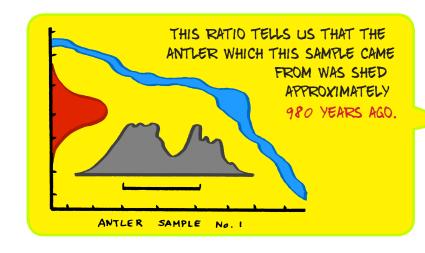






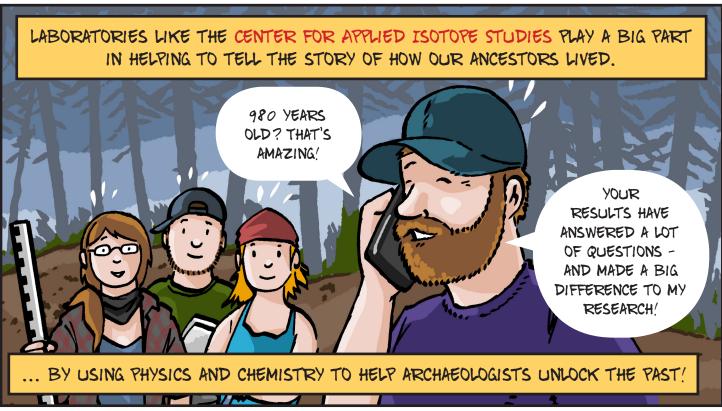


THE BIGGER THE DIFFERENCE BETWEEN THE AMOUNT OF CARBON-13 AND CARBON-14, THE OLDER THE ANTLER IS.











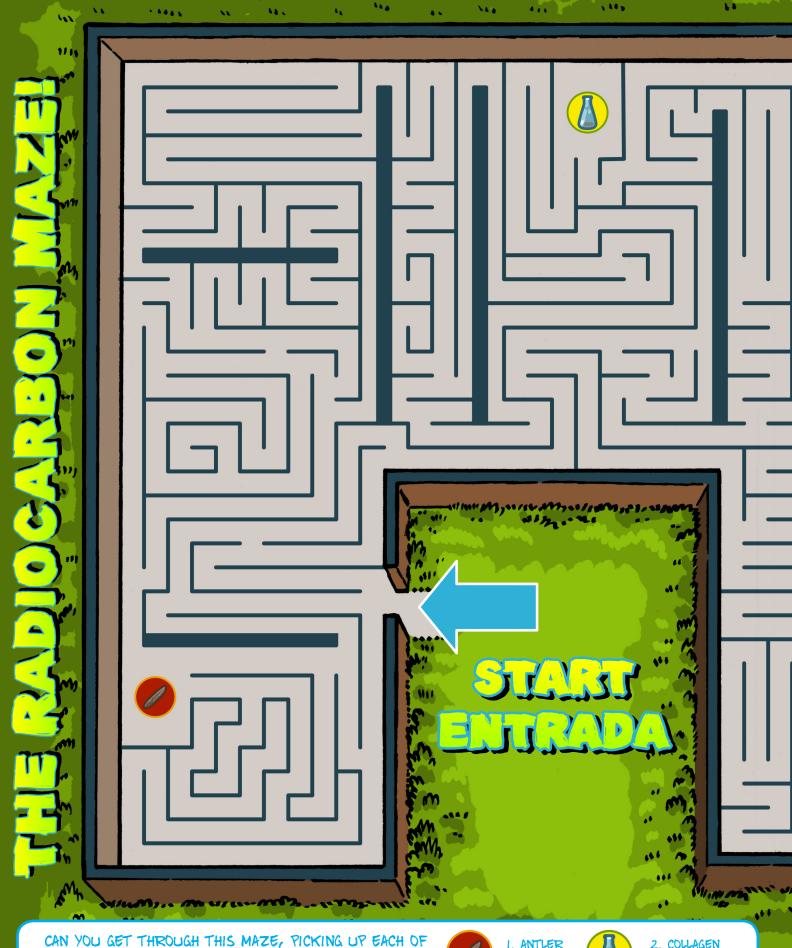
Center for Applied Isotope Studies at the University of Georgia[®]

CENTER FOR APPLIED ISOTOPE STUDIES

at the University of Georgia

Carbon Comics No. I - Unlocking The Past: Radiocarbon Dating

Written by Alice M. W. Hunt and John G. Swogger Illustrated by John G. Swogger Translated by Maria Jose Rivera Araya Additional Translation by Bjorn Evans



CAN YOU GET THROUGH THIS MAZE, PICKING UP EACH OF THE ITEMS NEEDED TO COMPLETE A RADIOCARBON DATE? USE A PENCIL TO DO THE MAZE, MAKING SURE YOU GO THROUGH THE FOLLOWING SQUARES IN THE RIGHT ORDER:



I. ANTLER FRAGMENT



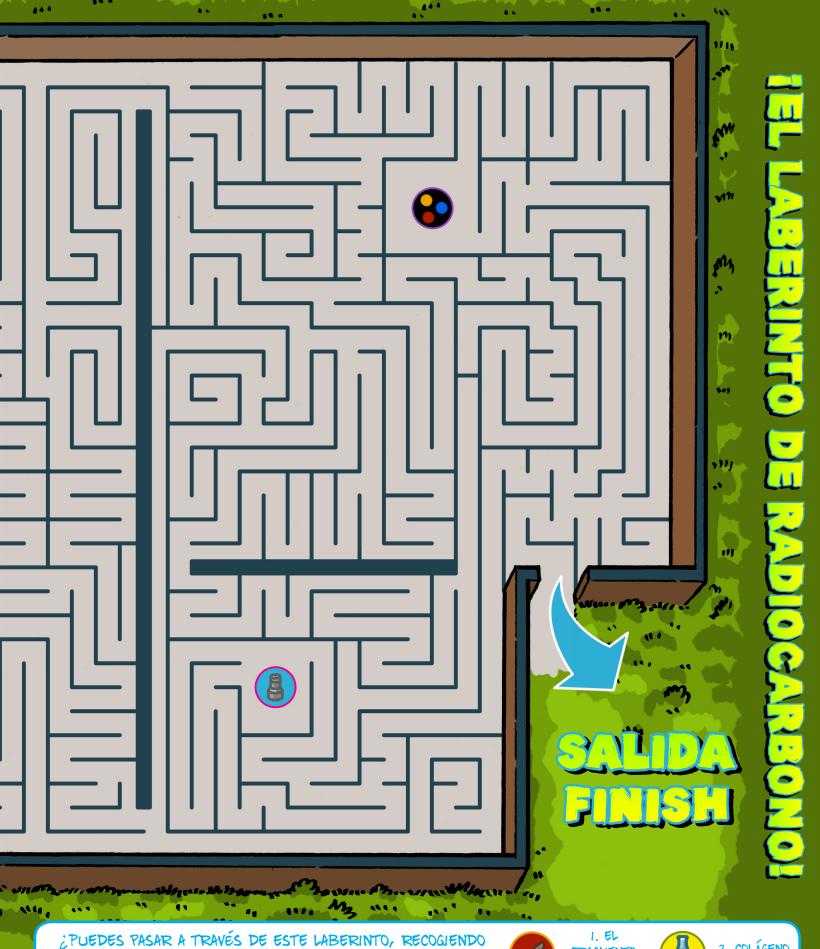
2. COLLAGEN SAMPLE



3. TARGET



4. RATIO



CADA UNO DE LOS ELEMENTOS NECESARIOS PARA COMPLETAR UNA FECHA DE RADIOCARBONO? UTILIZA UN LÁPIZ PARA HACER EL LABERINTO, ASEGURÁNDOTE DE QUE VAS A TRAVÉS DE LOS CUADRADOS. ; TODOS EN EL ORDEN CORRECTO!



FRAGMENTO DE CUERNO



2. COLÁGENO



3. BLANCO



4. PROPORCIÓN