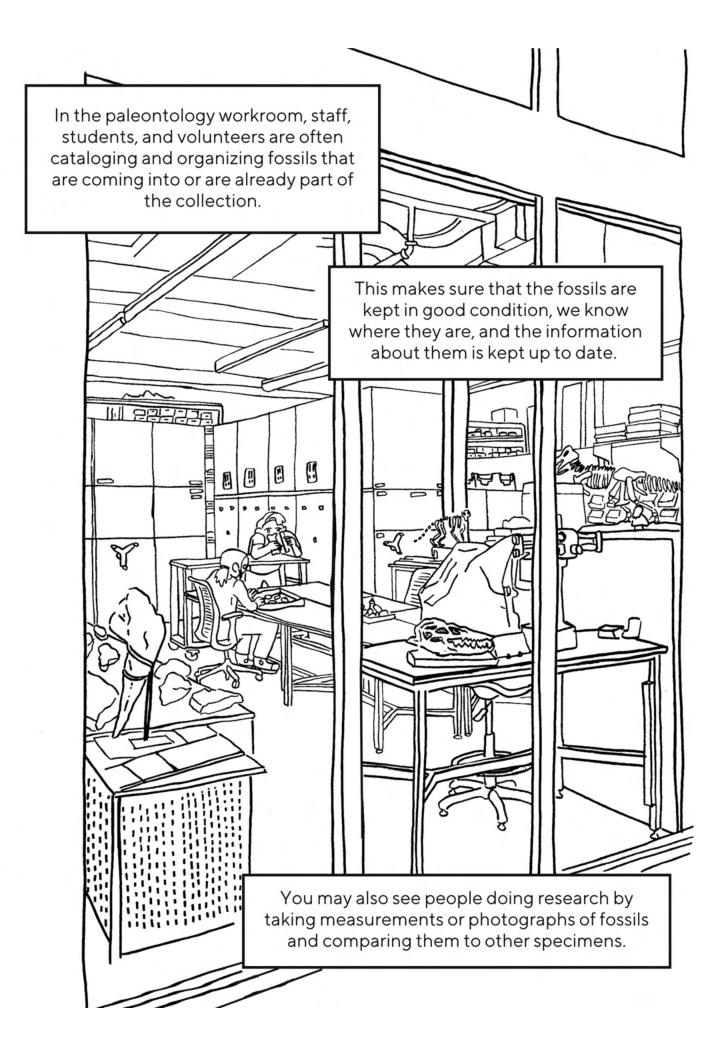


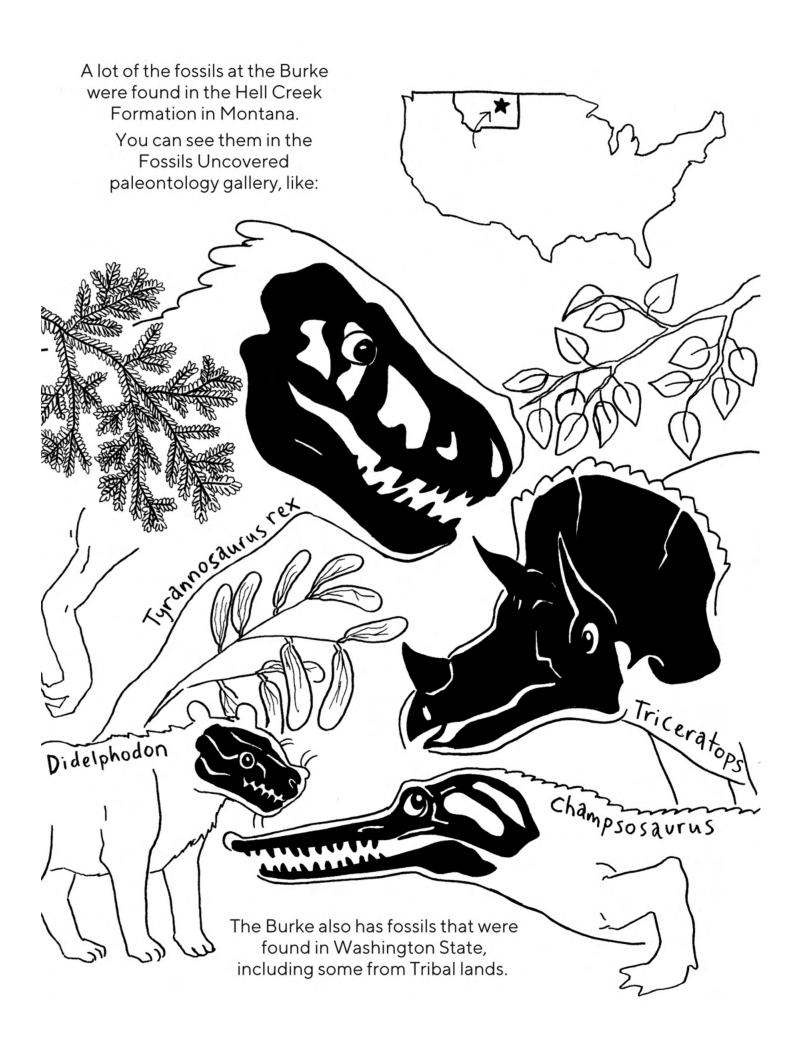
This activity book was created to partially fulfill the requirements for the degree of Master of the Arts.

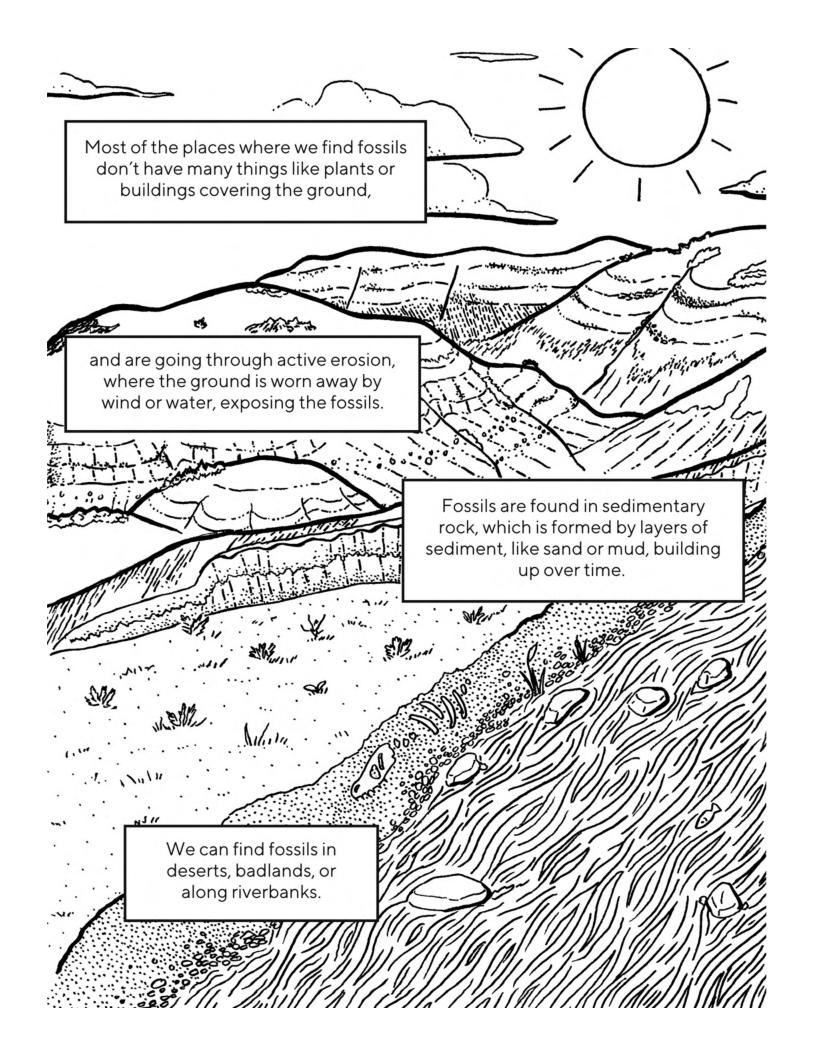
Thank you to my supervisory committee, Meena Selvakumar, Katie Anderson, Andy Clark, and Siri Linz.

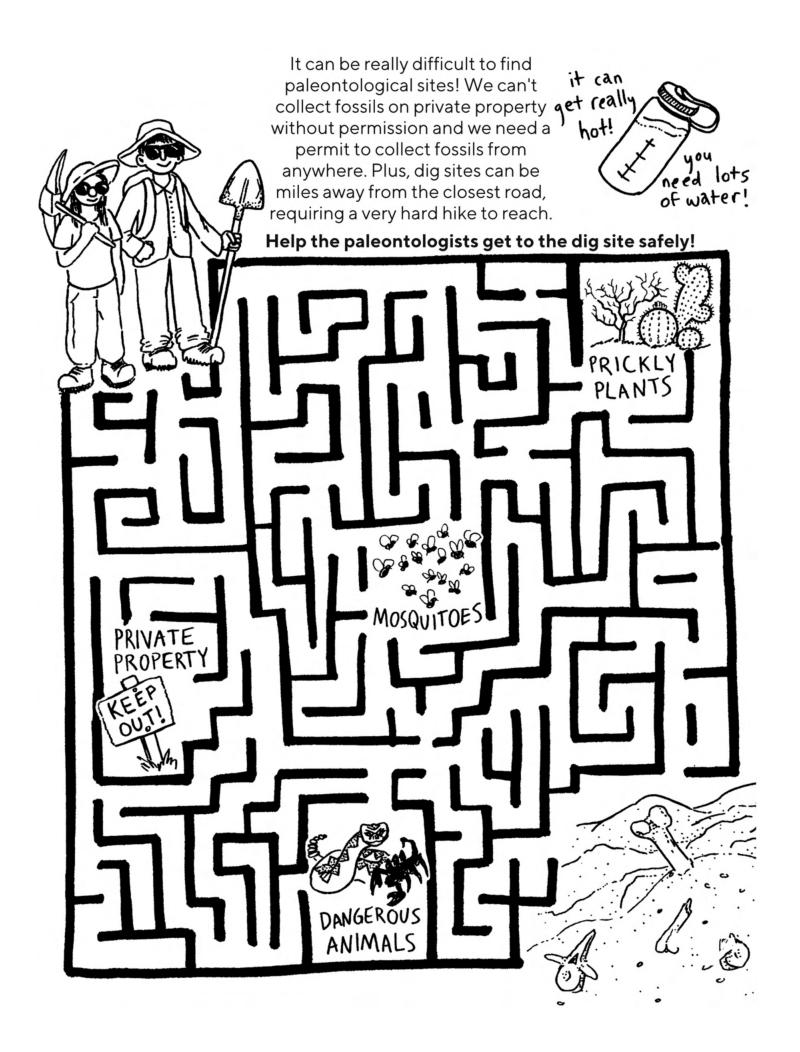
The research performed for this book was made possible through the contributions and help of Katie Anderson, Ron Eng, Kelsie Abrams, Jean Primozich, and Brody Hovatter.

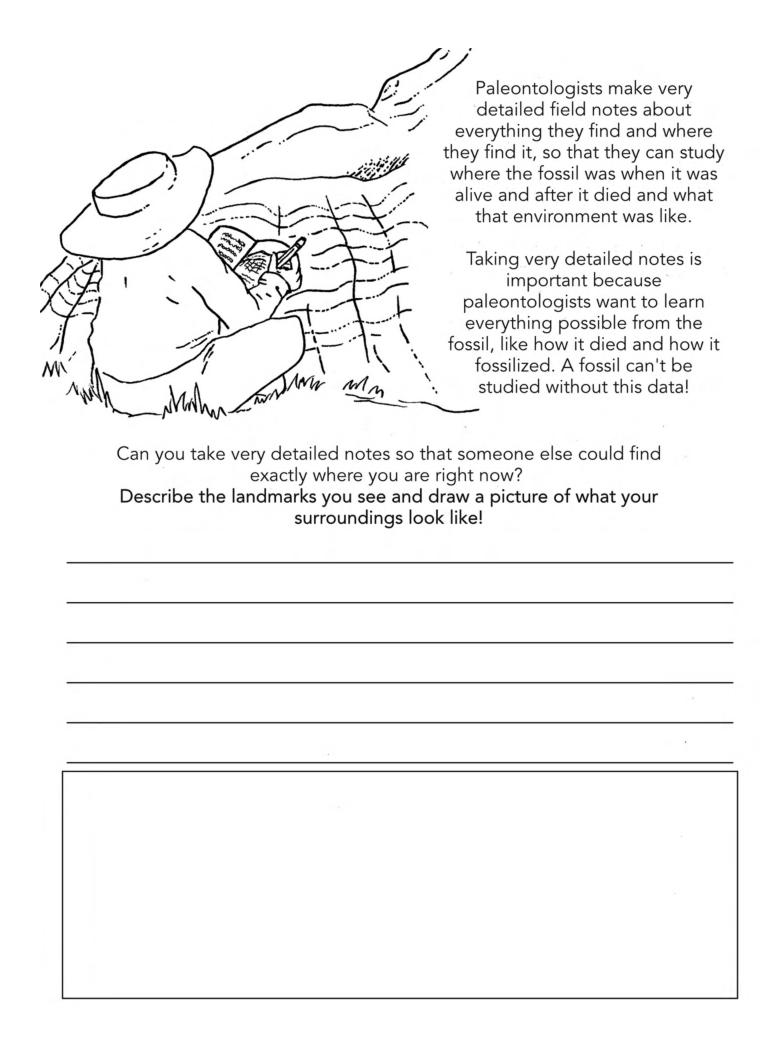
Thank you also to Andy Clark, Caleb Stockham, Angela Reed, and Sarah Winkowski for their assistance in formatting and editing.









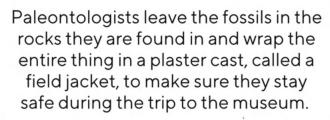


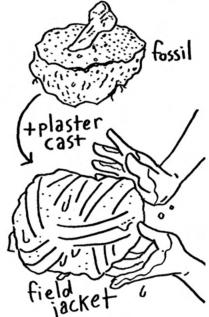
Paleontologists walk around, looking for fossils that have weathered out of the ground. This is called a survey. If fossils are visible, they are collected!

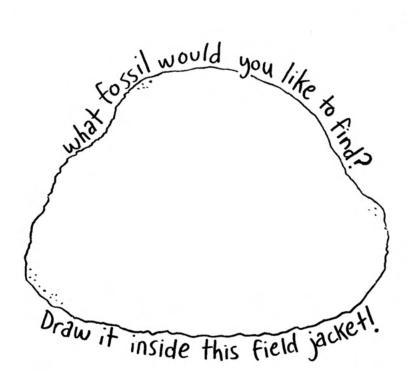
Paleontologists will also dig for fossils if part of the fossil is exposed or if there are probably more fossils in the area.



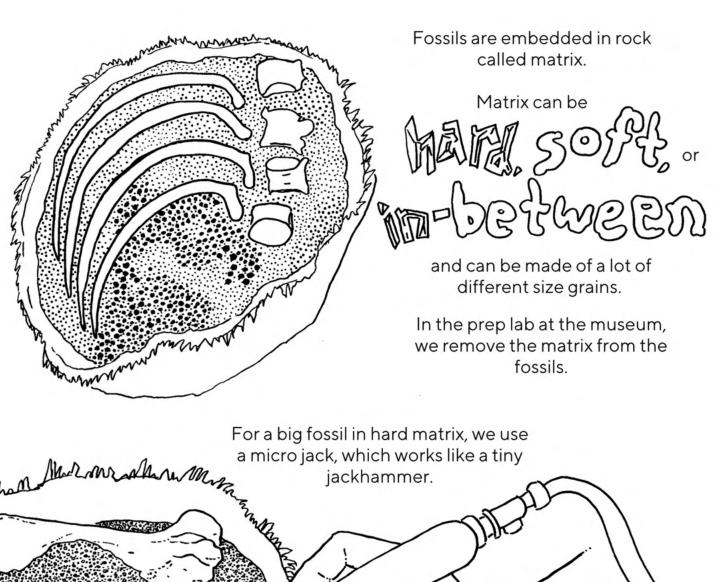
Fossils are very delicate!

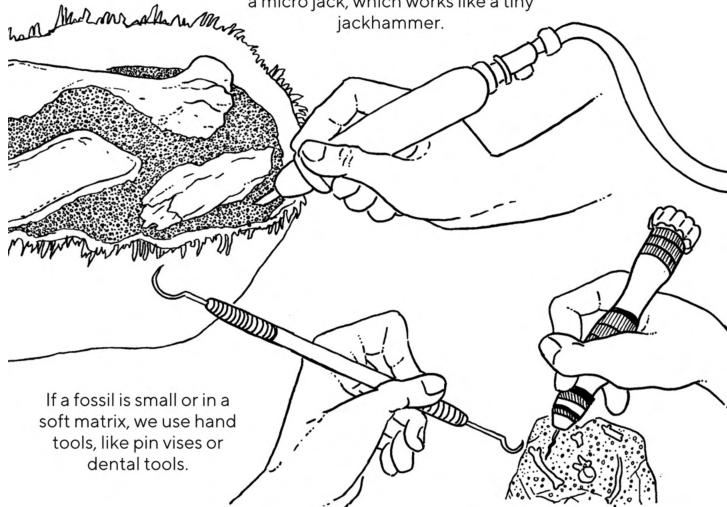






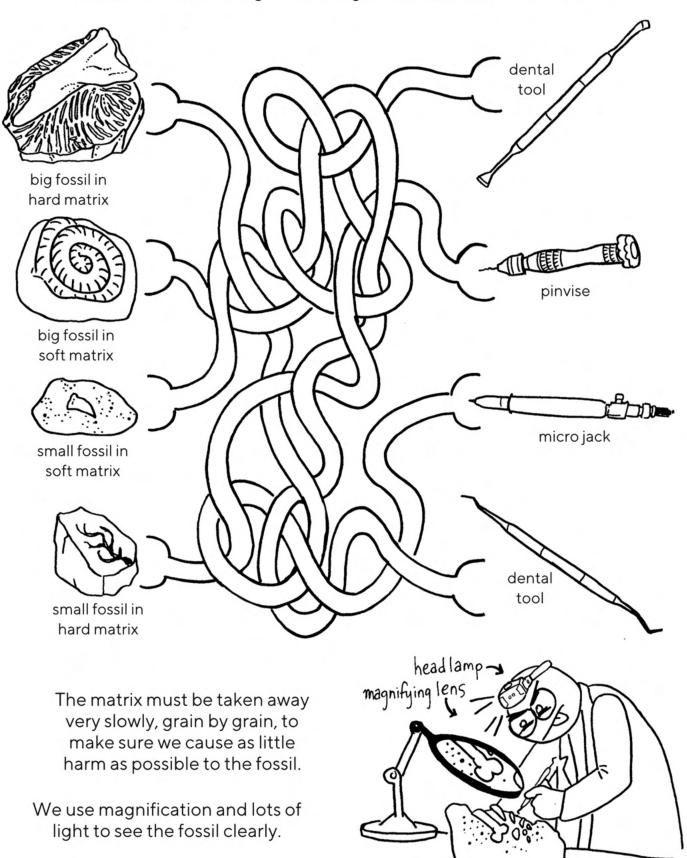
Now draw a truck to safely take the fossil back to the museum.

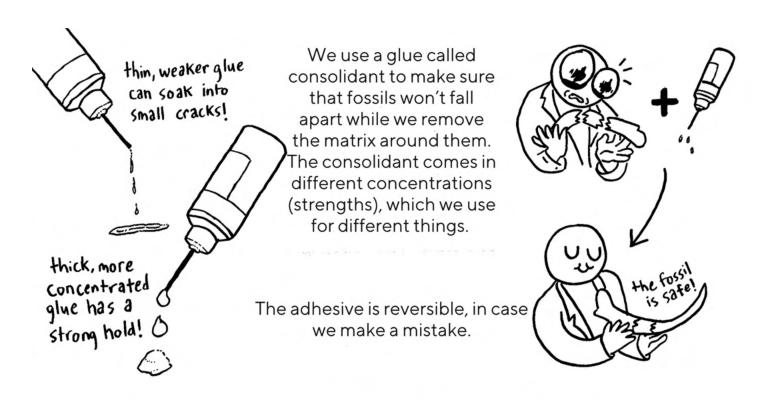




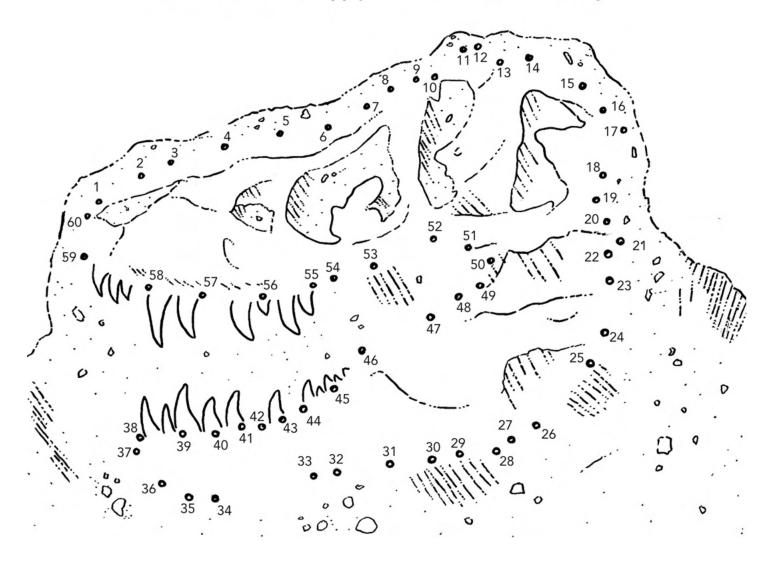
## Can you connect the best tools to the fossils?

We need to use the right tools to get the fossil out of the matrix!

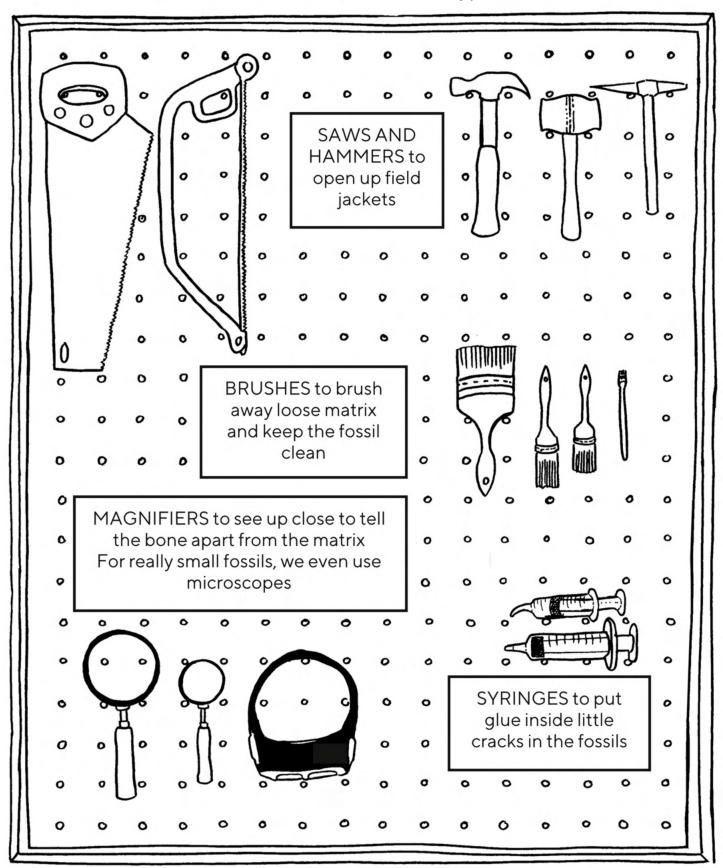




## Can you help hold this fossil together? Connect the dots to apply adhesive to the fossil's edges!



The lab also uses lots of different types of tools!



The paleontology collection is organized into 3 sections.

Invertebrate Paleontology (IP)



animals without bones or spines

Vertebrate Paleontology (VP)

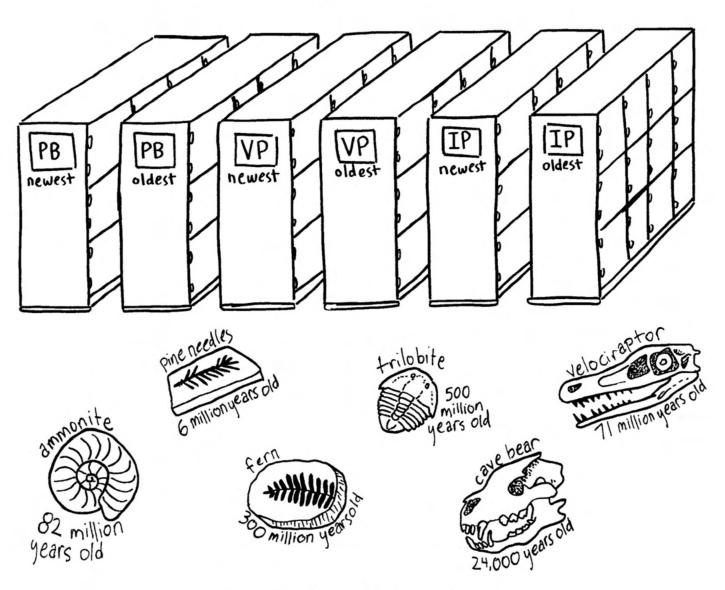


animals with bones and spines

Paleobotany (PB)

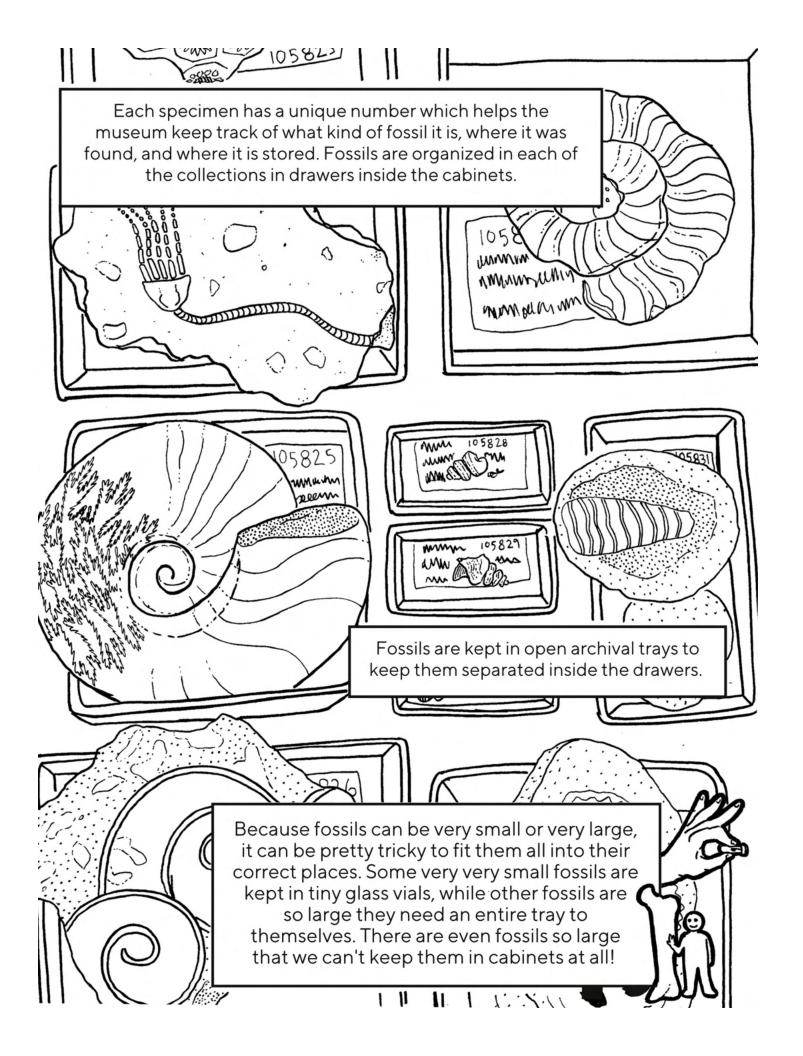


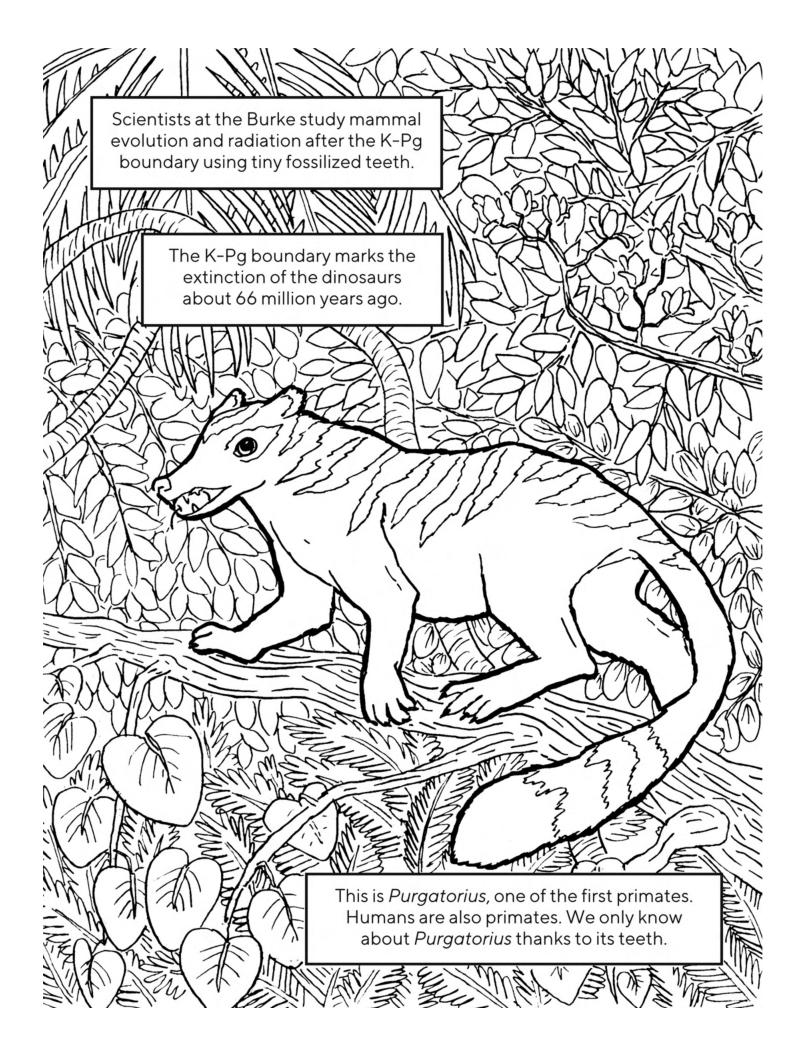
Fossils are organized in these sections by age and location, so dinosaurs and woolly mammoths are kept in different cabinets.

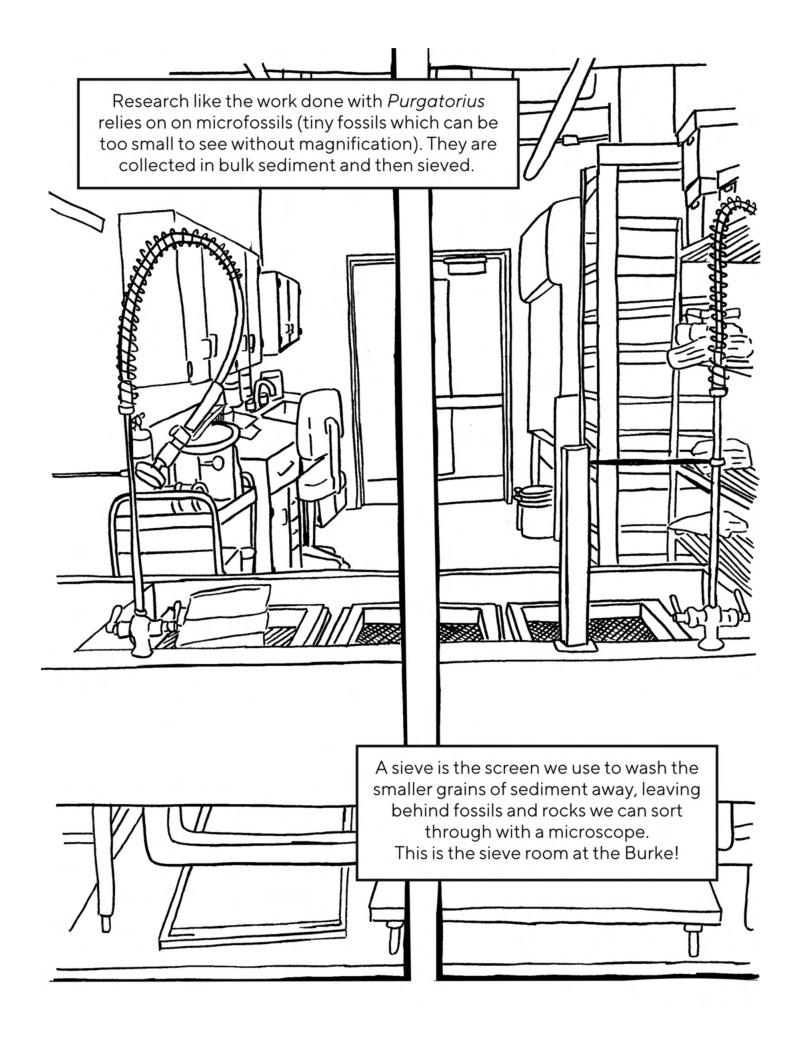


These fossils need to be put away!

Can you draw lines connecting them to the right cabinets?







## Microfossils can be:





crocodile teeth



fish vertebrae

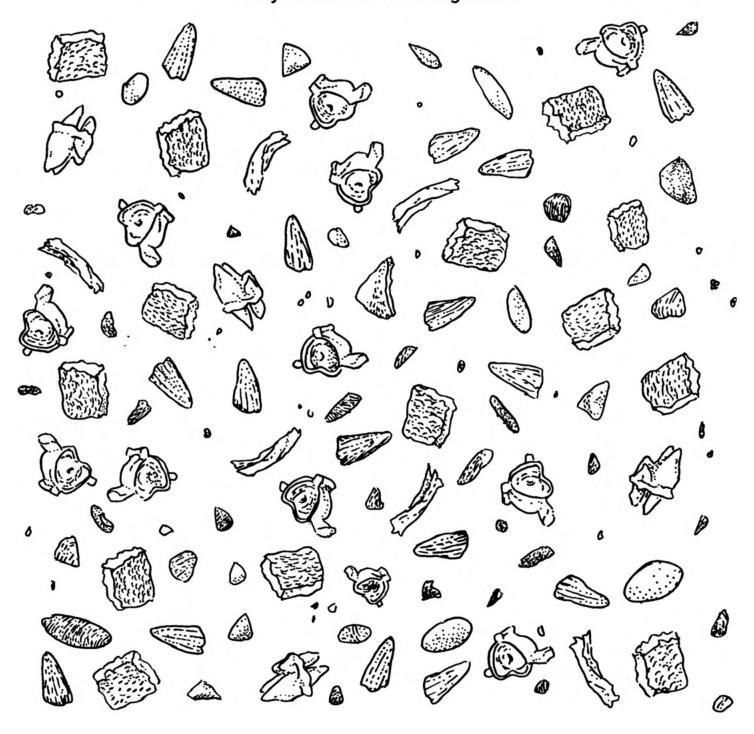


pieces of turtle shell



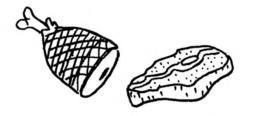
tiny bone fragments

## Can you circle the mammal teeth in this washed sample? Can you find the bone fragments?



Fossils can be identified using comparisons to other fossils in museums. We also identify teeth using this technique.

> By looking at the size and shape of teeth, we can learn how the mammal lived: how large it was and what it ate!



Animals that eat a lot of meat have sharp teeth for grasping and cutting, like a cat.

