

# Be a Fossil Detective



## WHAT YOU NEED:

- Rocks
- Piece of Chalk
- Vinegar
- Cups

## HOW TO:

1. Find different kinds of rocks in your yard or neighborhood.
2. Put a piece of chalk in one cup and a rock in another cup.
3. With help from your parents, pour vinegar over the chalk and the rock.
4. Is the chalk bubbling or fizzing? Is your rock bubbling or fizzing?
5. How else did your rock change when it was wet?

## WHAT'S HAPPENING?

When vinegar touches chalk it reacts to the calcium carbonate in the chalk and forms a gas, which creates the bubbles you see. If your rock also bubbles or fizzes, it also contains calcium carbonate and may be a piece of limestone.

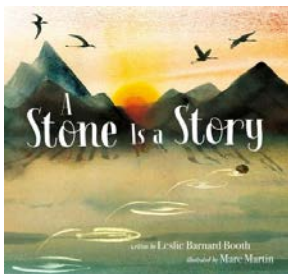


## FUN FACT

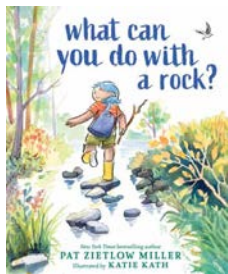
Michigan was once covered by ancient seas and glaciers that deposited many kinds of rocks. One common rock in Michigan is limestone. It is made of tiny pieces of animal and plant fossils, shell fragments and other fossils. Here is an activity to discover if a rock that you find is limestone.



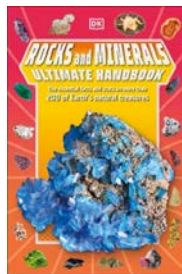
### Related Books:



*A Stone is a Story*  
by Leslie Barnard Booth



*What Can You Do with a Rock?*  
by Pat Zietlow Miller



*Rocks and Minerals Ultimate Handbook*  
by Devin Dennie



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