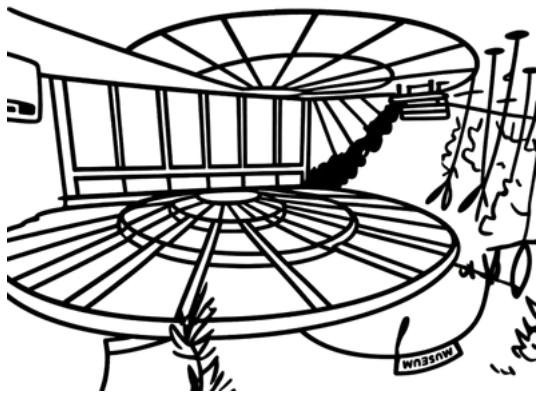




Origen Museum

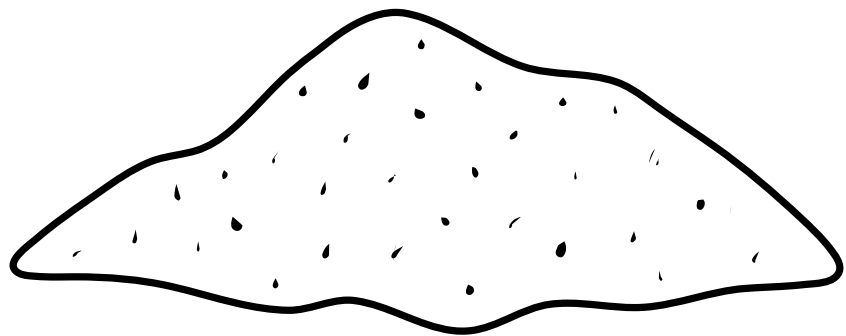
Field Trip Mini Book

Write your name below:

DRAW FLORA AND FAUNA YOU SEE ON THE SPRING MOUND

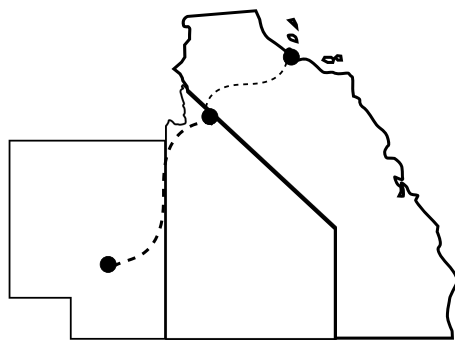


How many animals can you spy? _____



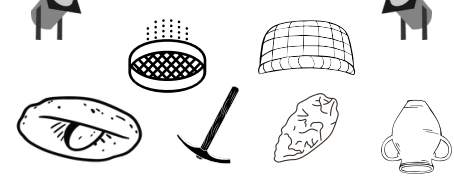
What made life possible on the Spring mound? What adaptations do plants and animals have to survive with little of this resource?

What major resource brought different communities to Las Vegas? Why do we not see this resource as much anymore?



How is an artifact different from a fossil?

Word Spotlight:
ARTIFACT



WALK THROUGH THE PUEBLOAN COMMUNITY AND CIRCLE ARTIFACTS OR ARCHAEOLOGICAL TOOLS YOU SEE
BOARD THE TRAIN INSIDE THE ORIGEN MUSEUM. LABEL THE CITIES THE TRAIN TRAVELED THROUGH

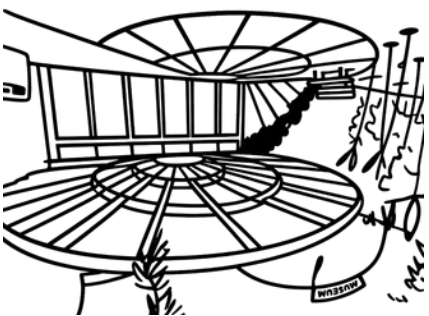
THE MOUNTAINS WE SEE TODAY WEREN'T ALWAYS THERE. WALK THROUGH THE MUSEUM AND LIST THE DIFFERENT WAYS LAND IS SHAPED OVER TIME



Use this space to draw how to be safe during a flashflood

Define permeability and how it relates to flash floods.

Word Spotlight:
PERMEABILITY



Field Trip Support Guide

Origen Museum

GOALS:

- Engage in conversation about native flora and fauna and how life adapted to live with little water in the desert.
- Discuss the different ways land is shaped over time and consider ways land can change in an instant.
- Discover the ways people survived years ago and how we study it now through archaeology.
- Think about water as a common resource that drew people to Las Vegas over thousands of years and why we may not see much of it now.

DRAW FLORA AND FAUNA YOU SEE ON THE SPRING MOUND

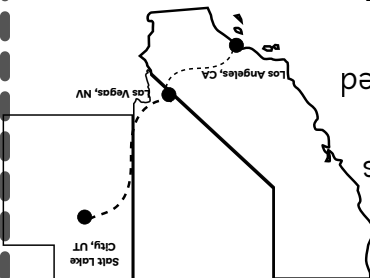


How many animals can you spy? _____

- Support discussion with students about needs of plants and animals and what makes those living in the Mojave Desert different from species that live in a rainforest.
- Have your students think about the different ways plants and animals get the water they need, especially in the desert. They are looking at a spring mound, but where exactly is the water? (Hint: Spring Mounds come in all different shapes and sizes and so does their water flow!)
- The Las Vegas Springs, what originally brought people to Las Vegas, stopped flowing in 1962. Brainstorm with your students why they think natural water flow stopped in Las Vegas and ways they can protect water moving forward.

What made life possible on the Spring mound? What adaptations do plants and animals have to survive with little of this resource?

WALK THROUGH THE PUEBLOAN COMMUNITY AND CIRCLE ARTIFACTS OR ARCHAEOLOGICAL TOOLS YOU SEE THE TRAIN TRAVELED THROUGH BOARD THE TRAIN INSIDE THE ORIGEN MUSEUM. LABEL THE CITIES



- As students search for artifacts and archaeological tools, see if they can infer the difference between artifacts and fossils (Hint: One used to be alive!)
- Ask students to think about ways items used by humans have changed over time and how today's items are similar and different from those used by earlier peoples.
- Water is not only necessary for life on Earth but was also a source of energy for steam locomotives when the railroad created a stop in Las Vegas. Discuss with your students possible reasons why the railroad no longer runs in the desert.
- **BONUS:** Check out [springspreserve.org/Restoration & Rewilding](http://springspreserve.org/Restoration&Rewilding) to learn more about what Springs Preserve is doing to restore local flora and fauna damaged by human disturbances.

THE MOUNTAINS WE SEE TODAY WEREN'T ALWAYS THERE. WALK THROUGH THE MUSEUM AND LIST THE DIFFERENT WAYS LAND IS SHAPED OVER TIME

- Students will explore ways the surface of the Earth is shaped over time but also see how land can change in an instant in the flash flood exhibit. Spark conversation about other ways land can be changed quickly and how this is beneficial for the environment. Can students brainstorm ways humans change the landscape and why that might not be as beneficial to the environment?
- Many people know the 3 R's: Reduce, Reuse, Recycle but not everyone is aware of 2 more R's: Refuse & Repurpose. Brainstorm with your students ways they can incorporate the 2 additional R's.
- **Trash Heros:** The Leave No Trace rule doesn't just apply to making sure trash is thrown away. It also includes staying on marked trails, following fire restrictions and taking pictures or drawing memories rather than taking from the environment. Challenge your students to throw away 5 pieces of trash at the Springs Preserve.