

WEATHER MEASUREMENT



MATERIALS NEEDED:

- Anemometer (and thermometer if yours does not include one)
 - Use anemometer for temperature and wind speed measurements
- Compass
 - Use compass, wet finger, and observations of vegetation to determine wind direction
- Soil/Earth Thermometer
 - Use this to measure the temperature of the soil

SITE NAME, LOCATION, DATE

TIME OF DAY AND TEMPERATURE

WEATHER CONDITIONS: FOR EXAMPLE, IS IT CLOUDY, SUNNY, WINDY, RAINING?

WIND CONDITIONS: SPEED AND DIRECTION

SOIL CONDITIONS: TEMPERATURE AND MOISTURE

HOW WILL THE WEATHER CHANGE IN FUTURE? WHAT WILL THAT MEAN FOR THE SUBALPINE ENVIRONMENT?

WHAT DO MOUNTAINS MEAN TO YOU?

Decorative border with arrows and circles.



A FIELD GUIDE FOR SUSTAINABLE MOUNTAINS



#MOUNTAINSMATTER



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WATER AND GLACIERS



Discussion:

- Where does our water come from?

Experiment:

How is a chewy chocolate bar like a glacier?



- Length
- Layers
- Plasticity of movement

PEOPLE AND MOUNTAINS

How do mountains help people?

How do people HURT mountains and mountain biodiversity?

What can we do to HELP mountains?

3 THINGS I CAN DO

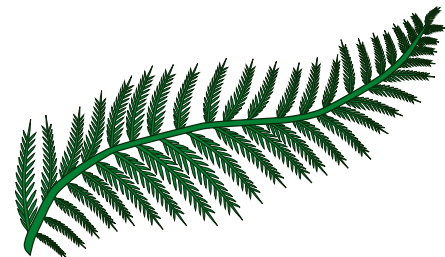
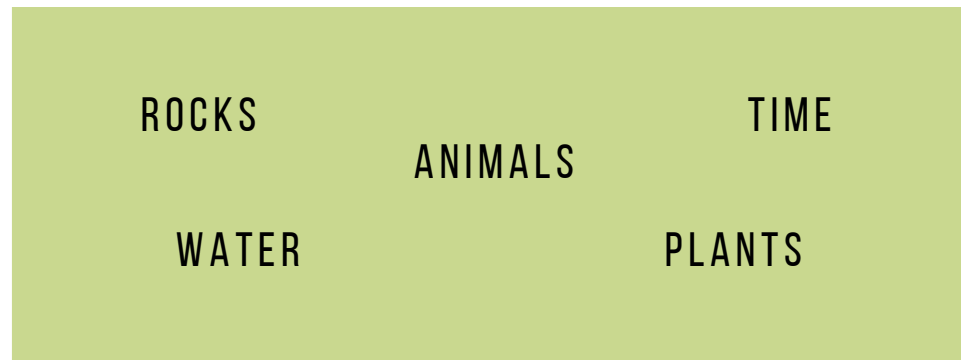
1. _____
2. _____
3. _____

HOW TO MAKE A MOUNTAIN

Fill in the blanks. This section of the field guide pairs with the story "How to Make a Mountain" by Amy Huntington.

What do we need to make a mountain?

First and foremost, we need some big, big _____ . We must also have a wide variety of _____ and _____ that can help sustain one another within the mountain ecosystem. A reliable _____ source is essential for all life on the mountain. Lastly, and most importantly, we need lots and lots of _____ .



“
SUSTAINABILITY IS THE PROCESS OF LIVING WITHIN THE LIMITS OF AVAILABLE PHYSICAL, NATURAL AND SOCIAL RESOURCES IN WAYS THAT ALLOW LIFE TO THRIVE IN PERPETUITY.
 ”

CHALLENGE TIME: BIODIVERSITY ABC'S

Biodiversity is defined as the variety of living things (plants, animals, insects, etc.,) that you can find in one area. How many living things can you name in this mountain environment that begin with each letter of the alphabet? Complete the chart below!

A- _____ B- _____ C- _____ D- _____ E- _____ F- _____ G- _____ H- _____ I- _____ J- _____ K- _____ L- _____ M- _____	N- _____ O- _____ P- _____ Q- _____ R- _____ S- _____ T- _____ U- _____ V- _____ W- _____ X- _____ Y- _____ Z- _____
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