

Saskatchewan Parks Classroom Resources

Activity Summary:

Activity Name: _____

Curriculum
Outcomes: _____



#SaskParks

Park Watch: 1-800-667-1788

saskparks.com



Information for Teachers

A Note from SaskParks, to You:

These resources were created by SaskParks' Visitor Experience team to bring joy of nature exploration to your classroom. We hope that your class is able to enjoy the outdoor experience that our parks have to offer by utilizing these activities designed to inspire learning!

How to Print This Activity:

1. Open this file in Adobe Acrobat
2. Select "Print"
3. Select the number of copies you want to print
4. Under "Pages to Print" select "Pages" and in the space to the right, type in your preferred activity pages.
5. Select "Print" in the bottom right hand corner

Additionally, if you wish to print this as a smaller booklet, follow steps 1 - 4 above, and then:

1. Under "Page Sizing & Handling," select "Booklet"
2. Select "Print" in the bottom right hand corner
3. Once printed, fold the booklet down the middle of the page. No staples required!

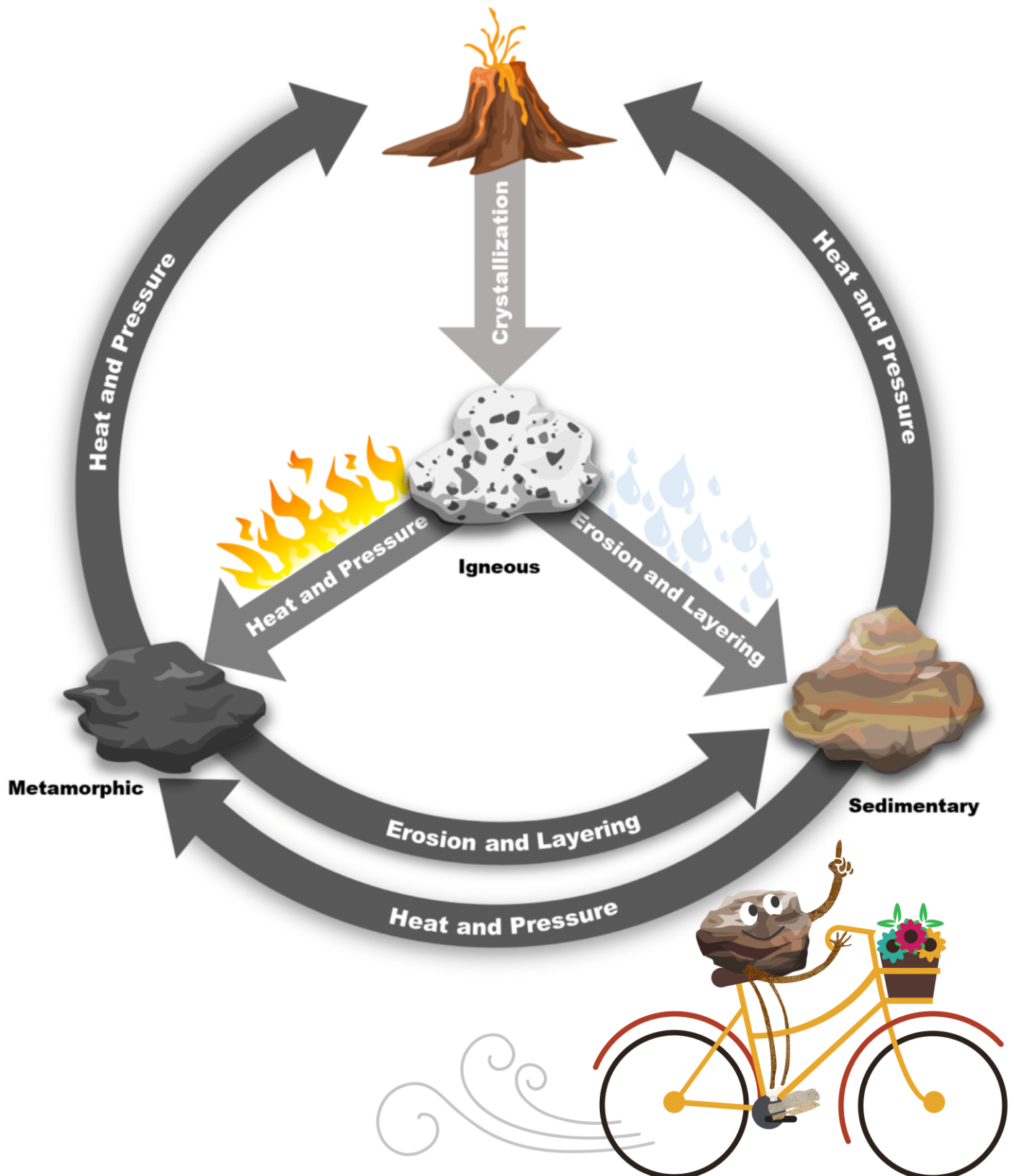
It is recommended you print one copy to start to ensure it prints correctly.

Science Rocks!



The Rock Cycle

Discover how rocks are formed!

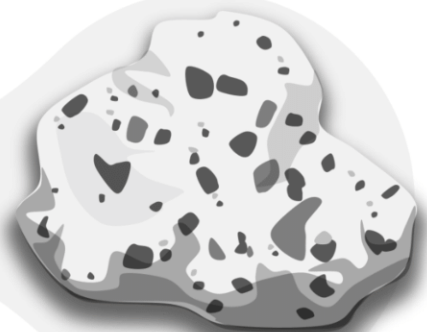


Types of Rocks

Did you know there are three main types of rocks?

Igneous Rock

This type of rock is formed when a volcano's molten lava cools!



Metamorphic Rock

This type of rock is formed by heat, pressure and chemicals beneath the earth's crust!



Sedimentary Rock

This type of rock is formed by a buildup of sand, pebbles and crushed shells.



How Did These Rocks Form?

Match the rock to its source by connecting them with a line.



Rock BINGO!

How many types of rocks can you find?



Igneous

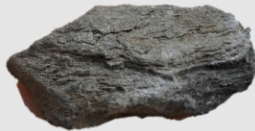
Metamorphic

Sedimentary

Colour



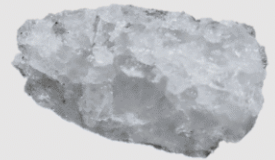
Pumice



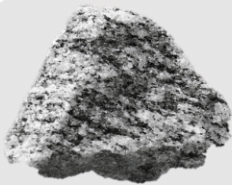
Phyllite



Conglomerate



White



Diorite



Marble



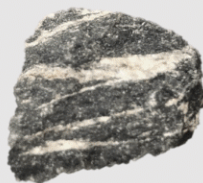
Iron Ore



Yellow



Granite



Gneiss



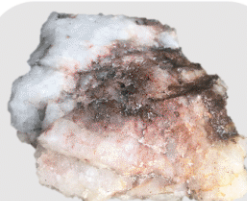
Lime Stone



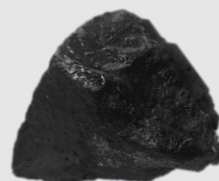
Black



Gabbro



Quartzite



Coal



Red

Rock Movement

Hey! How did that rock get there?

Over time, as the ground heats, cools, dries, and moistens, it shifts and moves causing rocks to be pushed to the surface!

A cross-sectional diagram of the ground showing four layers: Top Soil, Subsoil, Weathered Rock Fragments, and Bedrock. The Top Soil layer is the thinnest and contains small green grass tufts and three ants. The Subsoil layer is thicker and contains larger grey rocks. The Weathered Rock Fragments layer is the thickest and contains many small grey rock fragments. The Bedrock layer is the bottom-most and contains large, irregular grey rock shapes. A yellow speech bubble points to a rock in the Top Soil layer.

Top Soil


Subsoil

Weathered Rock Fragments

Bedrock

Rock Movement

Did you know: Many rocks were moved during the ice age!

The background illustration depicts an ice age scene. On the left, a brown mammoth with white tusks stands on a dark, rocky outcrop. In the center, a grey seal with a white belly sits on a yellow rock in a blue body of water. The right side shows dark, jagged rock formations. The sky is a light blue gradient.

During the ice age, as the glaciers moved across the land, they moved rocks of all shapes and sizes with them!

Rocks that were moved by glaciers are called erratic!

Rock Observations

Go on a rock hunt and record your observations!



COLOUR	SIZE	LOCATION

Rock Observations

Can you find the correct vocabulary for observing rocks?

f k q r q i v n h y j s b m x f g f c o z r c s f
p g a v f e z h g w j d e d m n l y t x t n i u l
t o w t l j f l n x s u v d z s u y b v x f z m a
s h i r o c k v b d k l g i i g c o n b j i h x y
z r a m h m c v l c y c l e m m o x i k d z n r e
e z m r m w a t e r n n i w x y e m q w x t r v r
a m z x d c l e a v a g e y i r n n t b r u k h i
l i e c q n t r a n s p a r e n c y t j c m p e n
b n a j r y e o h d v s o e g c u o z a i d e a g
b e s l k y d s y t a k j l l o e r s q r u k t f
a r c f p c s x s r h s g f x c b z q w p y x p x
k a l e j r o t o k y r g l k a k q h g t i a o m
o l w u s y p l a e p r e s s u r e p y v v u p a
x r e d x c h o o l m h x f z e r b s l m y x q e
j k d s c v z r q u l e t i l s q s h s m z t t r
k m w p q o o a h s r i t s w d m a z o i a z f o
b f m t q l o r o t t d z a t v r f w w k w m f s
f f n f u c l v i r q b y a m r g k p q d i p u i
r o s y s a v n f e c t i u t o u d m l y p r w o
d x s i q n q p f r k l h h i i r c r i y d i i n
i d g s m o x f o r m a t i o n o p t s n f n n h
y a i n i c r y s t a l s o l j m n h u l i a d s
d v o q c l m h g n j s x r g p x q e i r v n i y
b t o f w z s k i g n e o u s e p i i x c e v g f
x a n n t a o z d a j c r k m r g u i z r a f t t

crystallization

structure

hardness

igneous

fossil

cycle

transparency

formation

cleavage

crystal

mining

rock

metamorphic

pressure

volcano

mineral

water

heat

sedimentary

layering

erosion

colour

lustre

wind

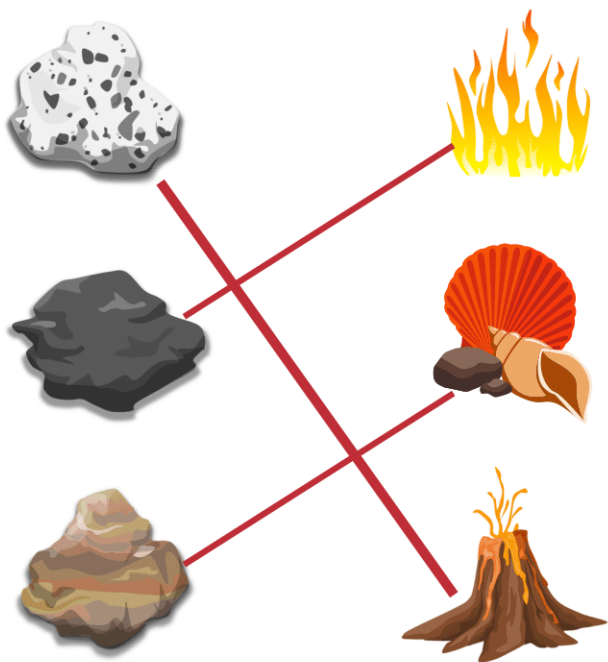


Rock Observations

Circle the appropriate tools for observing rocks!



Answer Key



f k q r q i v n h y j s b m x f g f c o z r c s f
 p g a v f e z h g w j d e d m n l y t x t n i u l
 t o w t l j f l n x s u v d z s u y b v x f z m a
 s h i c o c k v b d k l g i i g c o n b j i h x y
 z r a m h m c v l c y c l e m m o x i k d z n r e
 e z m r m w a t e r n n i w x y e m q w x t r y r
 a m z x d c l e a v a g e y i r n n t b r u k h i
 l i e c a n t r a n s p a r e n c y t j c m p e n
 b n a j r y e o h d v s o e g c u o z a i d e a g
 b e s l k y d s y t a k j l l o e r s q r u k t f
 a r c f p c e x s r h s g f x c b z q w p y x p x
 k a l e j r o t o k y r g l k a k g h g t i a o m
 o l w u s y p l a e p r e s s u r e p y v v u p a
 x r e d x c h o o l m h x f z e r b s l m y x q e
 j k d s c v z r q u l e t i l s q s h s m z t t r
 k m w p q o o a h s c r i t s w d m a z o i a z f o
 b f m t q l o r o t t d z a t v r f w w k w m f s
 f f n f u c l v i r q b y a m r g k p q d i p u i
 r o s y s a v n f e c t i u t o u d m l y p r w o
 d x s i q n q p f r k l h h i i r c r i y d i i n
 i d g s m o x f o r m a t i o n o p t s n f n n h
 y a i n i c r y s t a l s o l j m n h u l i a d s
 d v o q c l m h g n j s x r g p x q e i r v n i y
 b t o f w z s k i g n e o u s e p i i x c e v g f
 x a n n t a o z d a j c r k m r g u i z r a f t t

