

Goal

If your rock has a low melting point, and you step on the lava tile, it will drop below.

Start with a basic rock! Journey to collect more rocks to reach the goal!

Resembling the classical "Snake and ladder", you get a random tier 1 rock and challenge your opponent to be the first to reach the top.

Goal: Climb up the mountain, avoid lava tiles, avoid the acid waterfalls and collect rare gems to reach the top to get the black mountain.



Melting Pt: 3000°C

Hardness: 10

Erosion Proof

Metamorphic

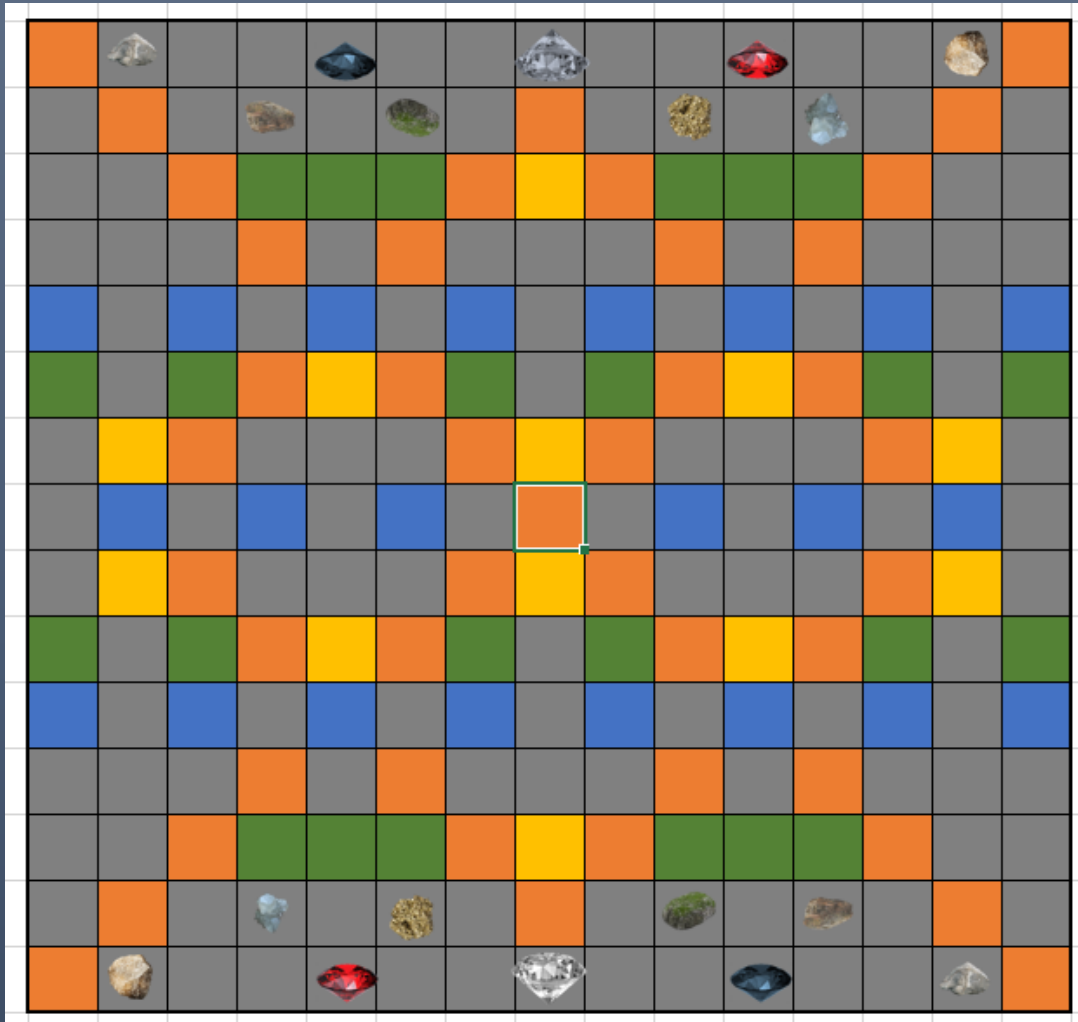
Insoluble






Get the most diverse collection of rocks to help you survive the dreaded acid waterfalls and fiery volcano lavas!

Rock a my baby

Visually appealing cards to help you learn gemmology!





-  **1000 Degree Celsius Tiles**
Rocks with melting point below 1000 degree cannot go there
-  **Blade Tiles**
Rocks with a hardness rating "Low" or "Medium" cannot go there
-  **Acid Water Tiles**
Rocks that will dissolve in HCL cannot go there
-  **Nature Dirt Tiles**
Rocks with valuation higher than 3 cannot go there (dirty)
-  **Neutral Tiles**
All rocks can travel on there

Goal: Destroy as many enemy rocks as possible using a your rocks with a higher hardness rating.

Instructions:

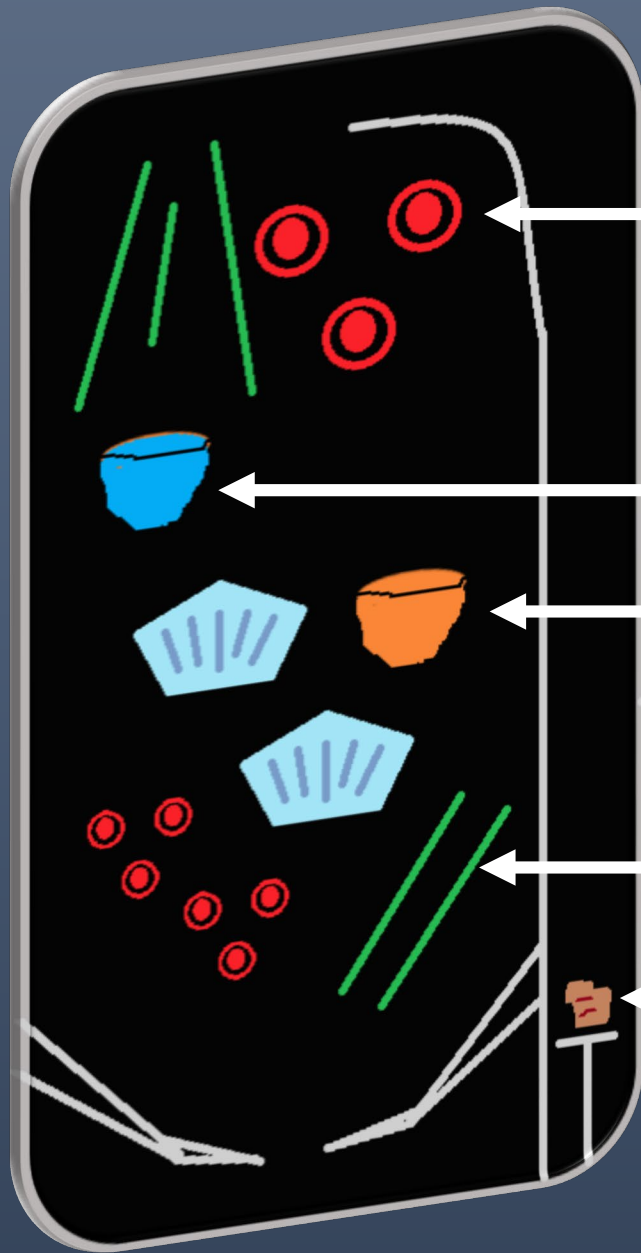
Each rocks can only move 4 steps maximum in any 1 direction.
When a harder rocks lands on the tile with an enemy rock there, it will destroy the enemy rock.

If 2 rocks of the same property bang each other, they mover will move the enemy rock into the next tile (and destroy if the rock cannot be on that tile.

Each rocks will have their advantages and disadvantages based on their property. Learn them and master the game!

Learning objective: Trains critical thinking and forward seeing with appreciation for rock properties.

Chess (Gems Version)



Rocks with low hardness will be pivoted away by the bumpers with heavier forces!

Rocks weak to HCL will dissolve!

Rocks with lower melting point will be incinerated!

Brittle rocks will be scratched

Load your rock and shoot it!

Watch your rocks battle other elements and change in nature



Load other rocks and see them battle in actions!

Learn about rock properties as though it is in nature.

Using Physics to learn about rocks!

3D PINROCKS Earth Cadets



No. Can pyroclastic lava cannot melt this rock?

Storyline:

You are planning to rob a gem vault of a secret gem with 2 secret robbers, but upon reaching the meeting place, you realize there are 4 people instead of 3. Now you need to try find the spy or you could be arrested. Talk to each other to identify the spy!



Is the rock found in the US?



Yes, Can calcite can scratch this rock?



Yes, Is this a metamorphic rock?

Instructions:

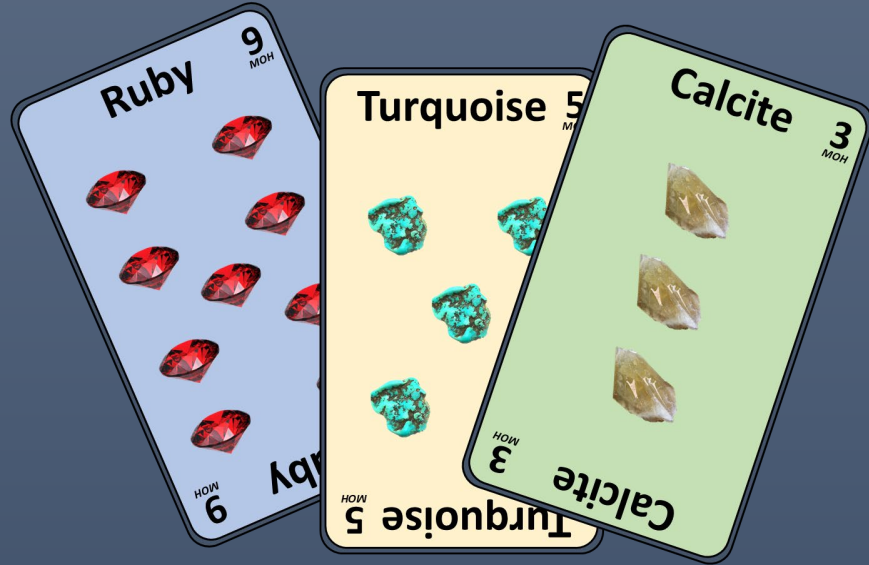
- 1) Each person will be given a card.
- 2) 3 will be the same rock card, one will be a spy card.
- 3) The players will sequentially say properties of their rocks.
- 4) The spy will try to pretend he know what rocks is it to smuggle information back to his syndicate without getting caught.
- 5) At the end of a round, they must try to guess who the spy is via vote. If the spy is caught, the spy loses, if they choose the wrong spy, the spy wins.

Learning Objective:

Learn about the rocks, property and characteristics through the cards.

Understand the mind of a gem dealer/heist about the secrecy surrounding these gems.

GEM DEALER EXPOSE THE SPY



Simply yet beautifully design
Poker Rock Cards!

Train your mental acuity through
the visualization of rocks.

Instructions:

Can be 2/3/4 players.

Each player gets 20 cards.













First player puts down a card.

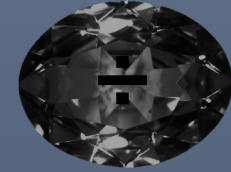
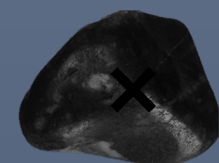
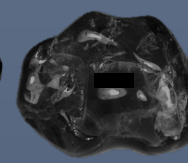
The next player can choose 3 cards that through basic order of operations $+$, $-$, \times or \div to form that number.

Each player have 10 seconds to choose their cards.

Rocks with higher number represents higher hardness. Rocks may be from 3 different backgrounds representing metamorphic, sedimentary or igneous rocks; which corresponds to the order of operations for $+$, $-$ and \times . A last version for base rocks such as gold would be representing \div .

Pokerocks!

																	
	1	<i>ln</i>	3	1	1	2	3	1	5	5	2	2	5	5	2	<i>ln</i>	3
	$\frac{d}{dx}$	3	6	2	3	3	3	3	1	3	6	4	6	6	2	5	$\frac{d}{dx}$
	2	5	12	12	10	7	8	9	10	2	5	6	4	12	6	3	1
	2	6	1	10	9	10	6	9	12	4	3	3	2	3	5	6	4
	2	4	11	11	25	29	3	17	25	4	1	6	23	7	4	5	5
	2	1	11	7	8	29	7	1	15	23	11	25	20	9	6	3	1
	4	6	9	4	26	30	35	6	35	25	6	10	17	3	10	6	3
	3	1	5	11	5	3	20	π	e	π	11	11	1	10	4	4	3
	6	5	7	10	6	24	37	e	0	e	46	10	12	5	6	6	2
	4	5	12	10	13	24	39	π	e	π	30	28	15	8	5	2	3
	4	6	4	9	22	16	38	40	20	40	23	9	29	8	5	3	1
	4	3	3	7	9	13	17	21	9	14	8	12	19	1	6	3	5
	5	2	1	3	13	25	19	26	28	23	13	14	16	2	12	3	6
	1	4	4	12	8	8	1	7	11	12	5	9	6	11	12	5	6
	2	3	2	10	1	9	2	2	9	12	10	12	3	7	4	3	2
	$\frac{d}{dx}$	4	6	6	6	2	5	2	5	2	5	6	1	4	3	5	$\frac{d}{dx}$
	5	<i>ln</i>	2	3	4	1	5	2	5	2	5	5	5	6	5	<i>ln</i>	4
																	



4 Players, 4 Gemstone!
Each representing + - × ÷



Draw a card. What number you get, you are able to move your gemstone if the sequence of number follows the card you draw. (E.g. If you draw 8, and in front of multiply rooster is 4 and 2, you can leap to 2 linearly.)

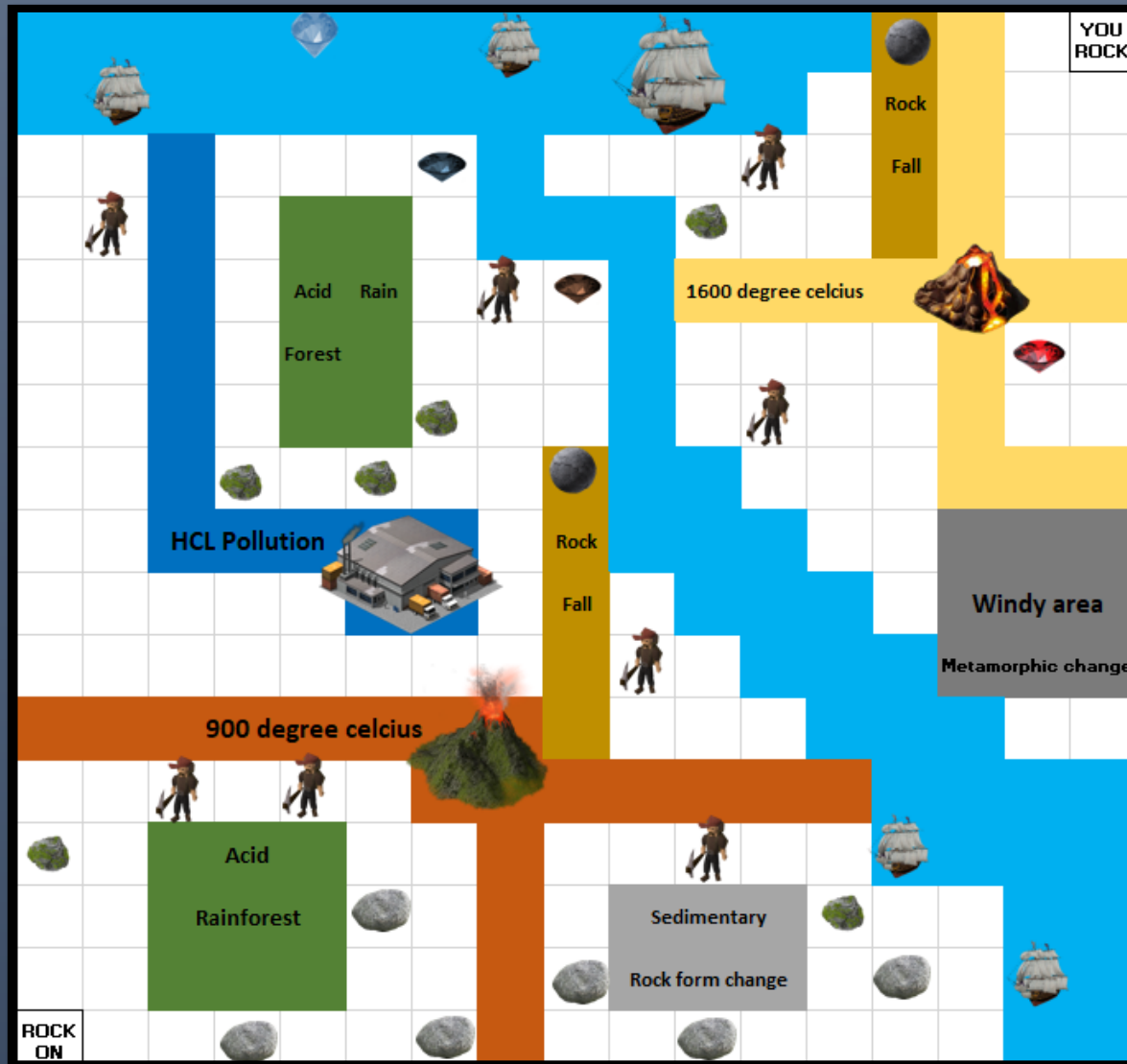
Destroy other clan gemstone if your gemstone has higher BODMAS!

Find each gemstone/symbols strength and weaknesses e.g. divisor can go big but not decimals.

Get the elusive *ln* $\frac{d}{dx}$ cards to reach centre!

Learn Math using Gemstones!

GemMathology



Start with a basic rock!
Journey to collect more
rocks to reach the goal!



Meet miners, traders
and ore smiths who
will give, trade and
sell you rocks

Avoid lava tiles, acid
water, wind tiles or
even your opponent
harder rocks, they can
destroy your rock!



Melting Pt: 3000°C

Hardness: 10

Erosion Proof

Metamorphic

Insoluble

Get the most diverse collection of
rocks to help you survive the
dreaded Acid Rainforest, Vulcan
Volcano & Thunderous Mountains!

THIS GAME ROCKS

Visually
appealing
cards to help
you learn
gemmology!

