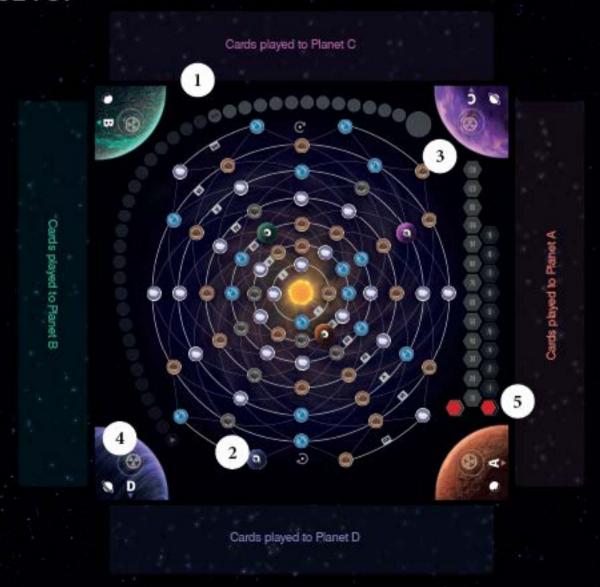


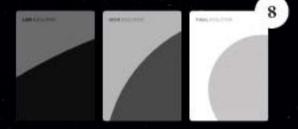
SETUP



- O Place the game board in the middle of the table, leaving space around it for a row of cards to be placed on each side.
- Place four Planet tokens on the matching A, B, C, and D spaces on the board.
- Turn the Matter tokens face down, mix them up, and place one on each white dot on the board. Turn all the Matter tokens face up.
- Place the Habitable/Hostile tokens, Hostile side up, in the circles on each of the four corner Planet images.
- For each player, place two hexagonal scoring markers on the zeroes on the Score Track (one for the units and one for the tens).
- Give each player eight cube markers in a color that matches their scoring marker.

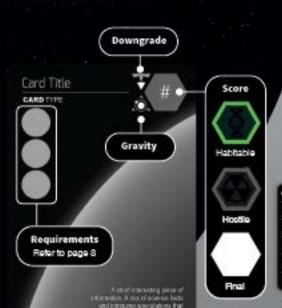


Give each player a player mat.



Shuffle each set of cards separately (Low, High, and Final Evolution) and place them in three stacks within reach.

Each player draws two of each type of Evolution card. They must then discard one of the Final Evolution cards (form a discard pile beside the stack of cards).





1 Game board





4 Planet tokens

4 Optional vertical Planet tokens (with stands)









68 Matter tokens (22 Gas. 22 Rock, 16 Water, 8 Metal)









4 Habitable/Hostile tokens (Hostile side shown)





8 scoring markers (2 per player color)



32 player markers (8 per player color)

4 player mats





4 Reference Cards

52 Evolution Cards (18 Low, 18 High, 16 Final)

CREDITS

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Jon Tennant, Alex Wynntet, Adam Wyse,
and Dan Yarrington.

To the backers of the Planetarium Kickstaner compaign, for helping to launch the game, and guide it on its trajectory. "Imagination will often carry us to worlds that never were. But without it we go nowhere."

Carl Sagan

OBJECTIVE

In Planetarium, a new solar system will be born, forged from the swirling mass of matter that orbits its star. Players will take part in this creation, moving tokens to simulate gravity and the accretion of matter, then crashing it onto planetoids that have already begun to form.

Cards will be played that evolve each Planet in significant and varied way, from scorching one into a barren waste, to transforming another into a potential nursery for life.

The goal of *Planetarium* is to be the player that best guides the formation of this new planetary system in their own vision. During the game, players earn points for playing cards that evolve Planets. While doing so, they must also manipulate the final state of the solar system to earn points by playing cards that can only be played on the final turn of the game.

The player with the most points at the end of the game is the winner.

THE BASICS

STARTING THE GAME

After setting the game up, players take turns until the game ends (see page 10). The player that discarded the highest scoring Final Evolution card during setup takes the first turn. Then, play proceeds in a clockwise direction. If there is a tie for the highest scoring Final Evolution card discarded, then the first player is decided randomly.

TURN SUMMARY

The basics of a turn are:

- Move one token on the board (a Planet or a Matter token) one space.
- If able to meet a card's requirements, you may play a Low or High Evolution card. Only one card can be played per turn.
- If you played a card, you must draw either a Low Evolution card, a High Evolution card, or draw two Final Evolution cards and discard one of them.

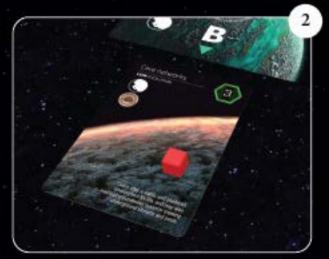
PLAY A CARD?

On most turns, players won't be able to meet the requirements on a card, or may choose not to play a card, in which case they will simply move one token and pass the turn.

"I can calculate the motion of heavenly bodies, but not the madness of people."

Isaac Newton







MAKING A MOVE

TOKEN MOVEMENT

There are some basic rules for moving tokens (both Planets and Matter):

- ① Tokens always move in a clockwise direction around the board/star.
- ② Tokens move along the lines on the board from ⑤ to ⑥. They can move along the thicker circular orbits or the thinner lines that connect them.
- Tokens may only move one space (until the Evolution Track accelerates, see page 10).
- Matter tokens cannot move onto, through, or over other Matter tokens.
- Matter tokens can move onto the same space as a Planet token, or vice versa. When this happens, the Matter token is placed on the player's mat in the matching Planet space.

SPECIAL PLANET MOVES

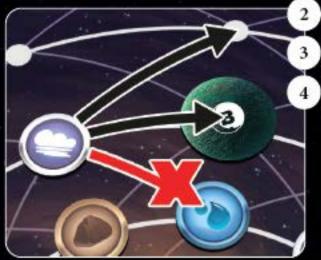
Planet tokens have two exceptions to the above rules:

- A Planet can "sweep out its orbit" by moving along a thick circular orbit line as far as desired or until it collides with a Matter token.
- When sweeping out its orbit, a Planet can move through the space occupied by another Planet, but cannot finish its move on the same space.

STORING TOKENS

Matter tokens gathered by colliding them with planets are stored on the player's mat until they are spent to play an Evolution card.











PLAYING A CARD

LOW, HIGH, & FINAL

Only Low and High Evolution cards can be played during the majority of the game. Final Evolution cards can only be played on the final turn a player takes in the game (see page 10).

REQUIREMENTS

To play any card, the player must meet the requirements listed on the left edge of the card. Most cards have the requirement of paying various kinds and amounts Matter tokens. The tokens must be available on the player's mat, on the Planet that the card is to be played to.

Some cards have other requirements. A full list of requirements is shown on page 8.

PAYING MATTER TOKENS

When a card is played that has a Matter requirement, the required Matter tokens must be moved from the player's mat to the next free space on the Evolution Track.

PLACING CARDS

Played cards are placed along the side of the board designated for the Planet they are played on. As cards are played, a row of cards will grow along the edge of the board, showing the events that mark the Planet's evolution.

When a player places a card, they also place one of their player markers on the card. These markers identify who played each card and are a requirement for playing Final Evolution cards (see page 10).

SCORING

The player scores the number of points in the hexagon in the top right comer of the card. Example: Isaac has collected the required Matter tokens on Planet B to play the Magnetic Field Evolution card, which requires one of each type of Matter. He chooses to play it.



- He moves a Gas, a Rock, a Water, and a Metal token from the Planet B space on his player mat to the next available spaces on the Evolution Track.
- He plays the Magnetic Field card into the next space along the Planet B edge of the board and places his red player marker on it. He scores 11 points, moving his player token up on the Score Track.
- He checks the balance of Habitable to Hostile points on Planet B. He scores 11 points and moves his player token up the Score Track accordingly. There are now more Habitable points (11) than Hostile (10), so he flips the Habitable/ Hostile token to Habitable.







CARD REQUIREMENTS



The Planet must be a Gaseous System (as marked on the player mats and game board).



The Planet must be Terrestrial (as marked on the player mats and game board)



The Planet must be in an orbit that includes or lies between the numbers listed see below.



The Planet must be Habitable The Habitable/Hostile token must show the Habitable side.



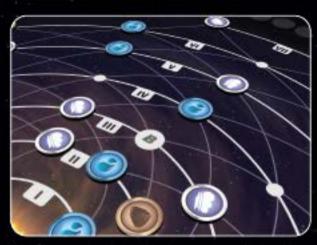
The Planet must be Hostile The Habitable/Hostile token must show the Hostile side



The listed number of Matter tokens must be present on the player's mat and on the Planet they intend to play the card to. When the card is played. these Matter tokens are placed on the next available spaces of the Evolution Track



The player must remove one of their player markers that is already on a card on the Planet



The orbits are marked 1-7 (in Roman numerals). The four arms of the outermost orbits are all orbit 7.

HABITABLE OF HOSTILE?

Planets can either be Habitable or Hostile This is indicated by the Habitable/Hostile token that is positioned in each planet's corner of the game board. The Habitable/Hostile tile begins the game Hostile side up.

After an Evolution card is played the players must check if the Planet the card was played on switches from Hostile to Habitable or vice versa.



Compare the total number of Hostile and Habitable points on the cards that have been played on the

Planet in guestion. If one total is higher, then place the Habitable/Hostile token that side up. If the totals are equal, leave the token as it is.

"It is unnatural in a large field to have only one shaft of wheat, and in the infinite Universe only one living world."

Metrodorus of Chios

GRAVITY (



The Gravity icon grants some cards a special power. When a card is played with a Gravity icon, the player may take one Matter token from anywhere on the board and place it on any Planet on their player mat.

DOWNGRADE



The Downgrade icon on a card means that instead of playing a card on your turn, you may discard this card and draw a Low Evolution card. You must lower your score by one point, and can only do this for one card per turn, and Downgrading a card means that you cannot play another card this turn.

DRAWING CARDS

Whenever a player plays a card, they must either draw a card from the Low Evolution or High Evolution deck, or draw two cards from the Final Evolution deck and take one into their hand, discarding the other.

DISCARD PILES

Final Evolution cards that are discarded are placed face-up in a discard pile. When the deck of Final Evolution cards runs out, the discard pile is shuffled to form the new Final Evolution deck.

Similarly, High Evolution cards discarded with a Downgrade icon are placed in a discard pile, and when the High Evolution deck runs out, are shuffled to form the new High Evolution deck.

If any deck of cards completely runs out, then those cards simply cannot be drawn anymore.

HAND SIZE

A player's hand size is always five cards. A player cannot have more or less than five cards in hand at the start or end of their turn.

Players are limited to four Final Evolution cards.

When Final Evolution cards are drawn, only one of the two cards is taken into the player's hand.

TIP FOR FIRST TIME PLAYERS

When to draw Final Evolution cards, and which to keep, are important and interesting decisions to make in Planetarium.

As Final cards can't be played until your final turn, yet take up space in your hand, if you draw too many too early it can make it a lot harder to play Low or High cards, and thus, meet the requirements on the Final cards you have. However, not having them early may make it harder to plan. To be safe, a good rule-of-thumb is to work to have two Final cards to play at the end of the game.

ENDING A TURN

After a token has been moved, and possibly a card played, play passes to the next player in clockwise order.

The game continues to pass from player to player. The final stages of the game are explained on page 10.

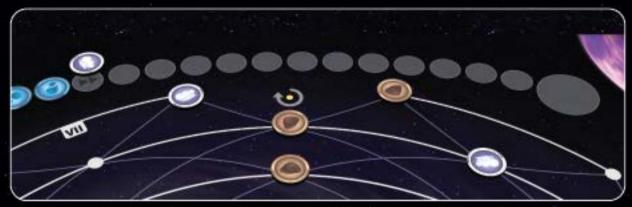
FAQ

What if I run out of player markers?

You may choose to remove one of your previously played markers, and place it on the newly played card. Or, you may play the card without a marker.

Can I play more than one card per turn?

No. The only turn where you can play more than one card is your final turn, when you may play one High/Low Evolution card as normal, and then any number of Final Evolution cards.



The end of the Evolution Track, showing a token being placed on the ▶▶ acceleration space.

FINAL STAGES

ACCELERATION

As cards are played, Matter tokens are placed on the Evolution Track. When a token is placed on the **>>** space, it triggers an acceleration in the development of the solar system. Matter tokens can now be moved one **or two** spaces.

Planets still follow the normal movement rules for Planets, moving either one space or according to the special Planet movement rules outlined on page 6.

THE FINAL TURN

When a Matter token is placed on the final (larger circle) space of the Evolution Track, the final turns of the game are triggered.

The player that placed the token may now play Final Evolution cards from their hand, ending their game. Then each other player in turn takes their final turn.

A final turn is the same as a normal turn, with the exception that after moving and playing a card, a player may then play any number of Final Evolution cards to Planets (if they meet the cards' requirements). Matter tokens paid during the final turn are placed on the final space of the Evolution Track.

PLAYING FINAL CARDS

For every Final Evolution card you play to a Planet, you must already have a player marker on a card on that Planet. When you play the Final card, remove one of these markers from a card on that Planet. Thus, you can only play a number of Final cards to a Planet equal to or less than cards you have already played to the Planet.

On your final turn you can play a maximum of 4 Final Evolution cards. Place them to the side of the Planet and score the points as indicated in the top right of the card.

Players do not draw eards on the final turn.

WINNING THE GAME

After each player has taken their final turn and played any Final cards, the player with the most points is the winner of the game! Ties are broken in the following order:

- The player with the least Matter tokens remaining on their player mat.
- The player with the most player markers remaining on cards.
- The player with the fewest cards in hand.

SOLO VARIANT

OVERVIEW

This variation of the game is to be played by a single player. Dice rolls are used to simulate gravity and the movement of planets, and the actions of other players. To win you must be efficient in your choices.

SETUP

Set the two red scoring markers to 100. These red markers will show the Target Score you will need to beat to win the game. As the game is played, this Target Score will be lowered when the Virtual Player collects Matter tokens.

For an easier game you may set the initial Target Score to 90, or for a more challenging game, set the Target Score to 110.

- Take a player mat. Take the blue scoring markers, and set your score to 0.
- 3 You will need two regular 6-sided dice.

TURN SUMMARY

You will take the first turn. Take your turns using the same rules used in a regular game of Planetarium.

2-7: Move all Planets on the corresponding orbit # or less. Move planets in order of A, B, C, then D.

For example, if you roll a 5, then any Planets in orbits 5 and lower are moved, Planets in orbits 6 and 7 are not moved.

8+: No Planets move.

After each turn, roll the dice and move the Planets based on the total of the dice

WHEN DICE MOVE PLANETS

Planets always move directly forward one space on the thick circular orbit, or sweep out their orbit until they hit a Matter token.

If there are no Matter tokens on the orbit, then the Planet moves along a thin line onto the adjacent orbit that contains the most Matter tokens. If the number of tokens is a tie, the Planet moves to the adjacent orbit closest to the sun.

Note: Planets on the last space of orbit 7 move onto orbit 6, and, if applicable, sweep out their orbit after doing so.

Any Matter tokens collected by Planets are placed on the Evolution Track face down. The Target Score is lowered by 2 for every facedown Matter token as it is placed on the Evolution Track. For example, if at the end of the game there are 20 facedown Matter tokens on the track, then the Target score should read 60

ENDING THE SOLO GAME

Play the game until a Matter token is placed in the final space of the Evolution Track, either by you or the Virtual Player, then play a Final turn, playing Final Cards as usual.

TIP FOR SOLO PLAYERS

Depending on your dice roling, you may be in for a race or have much more time to attempt a larger score. Either way, the target score will adjust to stay challenging but attainable, so keeping an eye on how fast the system is progressing is important.

SOLAR SYSTEM FORMATION

A COMMON PROCESS IN THE UNIVERSE

rot exist. There was no Earth, no Moon, no Sun, and no other planets. The material that makes up the Solar System today was dispersed in the interstellar medium, the matter that exists between stars in the form of gas, dust, ice, and charged particles. As the spiral arms of the Milky Way galaxy pass through the interstellar medium, they compress this material into giant molecular clouds, also known as stellar nurseries. These clouds are enormous, spanning hundreds of light years in diameter and containing enough material to form hundreds of thousands of stars and planetary systems.

The Solar System began when a small region of a giant molecular cloud became gravitationally unstable, causing material to accumulate into a dense cloud core. A nearby supernova, a giant explosion that marks the end of a massive star, likely caused this instability. As the cloud material contracted, conservation of angular momentum caused some of the material to spin out around our central protostar into an accretion disk. It is inside this disk that the material that makes up the planets, moons, and small bodies (asteroids and comets) of our Solar System came into existence.

The compression of the giant molecular cloud caused the interstellar gas, dust, and ice to heat up. The ices sublimated, adding key elements, such as oxygen, nitrogen, and carbon, to the gas phase. In the central parts of the disk, the dust also vaporized, creating a gas rich in silicon, magnesium, iron, and other rock-forming elements. Amazingly, some of this dust survived this energetic period and is

preserved in the most ancient meteorites as "pre-solar grains." These grains are a record of condensation in supernova and red-giant stellar outflows and radiation in the interstellar medium.

As this accretional energy gradually dissipated, the gas cooled down, leading to recondensation of the elements and creating a new generation of dust particles. The first elements to condense were calcium and aluminum in the form of ceramic minerals. materials that can survive in high-temperature environments These "calcium-aluminum-rich inclusions* in meteorites are the oldest solids. in our Solar System, Radioisotope dating of these minerals indicates that they are 4.56-billion years old, providing the only direct measurement of the age of our Solar System. The most abundant rock-forming elements were magnesium, silicon, and iron. These elements condensed to form the minerals olivine and pyroxene, which make up most of the Earth's mantle, and iron metal, which makes up planetary cores. These minerals are preserved in ordinary chondrite meteorites, the most common type of meteorite landing on Earth. Meteorites provide scientists the chance to understand the different environments that existed in our protoplanetary disk.

Farther out in the disk, the key elements oxygen, carbon, and nitrogen condensed as ices and organic molecules. These materials are present in carbonaceous chondrites, rare meteorites that provide information on how the Earth acquired the water that makes up our oceans and the organic material that may have led to the origin of life.

The formation of ice beyond the "snow line" in the outer Solar System resulted in a large amount of solid material. This material accreted quickly, creating planetary cores roughly ten times the size of the Earth. These cores were embedded in the protoplanetary disk, which was composed mostly of hydrogen and helium. These large cores have enough gravity to hold on to the gas, ultimately forming gas-giant planets like Jupiter and Saturn and ice-giant planets like Uranus and Neptune. Smaller bodies in the outer Solar System grew into icy dwarf planets like Pluto and Eris.

In the inner Solar System, the components of chondritic meteorites collapsed into asteroid-size bodies, hundred of meters in diameter, within a few million years. Accretion into planetesimals about the size Mars and the Moon occurred via "oligarchic growth." During this process, the largest bodies, called planetary embryos, grew guickly while the smallest grew slowly. This process resulted in many embryos the size of Mars and the Moon embedded in a swarm of smaller asteroids. The formation of terrestrial planets occurred as the planetary embryos collided together in high-energy impacts. The resulting debris clouds collapsed together, forming the Earth-Moon system. In the region beyond Mars, the

gravity field of Jupiter constantly stirred up the planetesimals, preventing the formation of a large planet and leaving behind a belt of asteroids.

Astronomical observations show that this process is common throughout the galaxy. Giant molecular clouds are abundant, with the most famous being the Orion nebula in the belt of the constellation Orion. Detailed observations of protostars by the Hubble and Spitzer space telescopes show that they are indeed surrounded by protoplanetary disks of gas, dust, and ice. Planet-hunting space telescopes like the Kepler mission have revealed hundreds of extrasolar planets with a wide range of sizes and compositions. With Planetarium, players get a chance to steer this process, building a new planetary system and hopefully creating a planet capable of hosting life!

Dante Lauretta

Professor of Planetary Science, University of Arizona



Studying the early Solar System: The NASA OSIRIS-REx asteroid sample return mission, launched in September 2016, will visit a carbonaceous asteroid named Bennu to obtain pristine samples from its surface and return them to Earth for detailed analysis in terrestrial laboratories. (Image credit: NASA/Goddard)

THE SEARCH FOR LIFE ON OTHER WORLDS

ne of the most important and challenging questions we are aiming to answer this century is whether life is a phenomenon exclusive to the Earth. Statistically, living organisms should be abundant in the universe. There are billions and billions of stars in our galaxy and it is not unreasonable to assume that many will be orbited by planets. A substantial proportion of these planets or their moons are likely to have orbits or environments that are habitable for Earth-like life Since the first definitive detection of exoplanets in the 1990s, the immense diversity of these distant alien worlds has been obvious. However, for the moment, a better understanding of the surface and subsurface conditions of individual exoplanets remains tantalizingly out of reach. Fortunately, an ideal test case for examining whether life has ever evolved on another world evists much closer to home

Life on Mars has long been an obsession for scientists science-fiction writers and popular culture. Since their invention, telescopes could discern shifting dark areas on the Martian surface along with bright polar ice caps. Some over-enthusiastic observers also claimed to see channels or even canals, but this was strongly contested by other scientists. By the 1960s it was clear that if life did exist on Mars, it would have to contend with freezing temperatures and a lack of seas or oceans. In addition, the atmosphere of Mars was found to be enriched in carbon dioxide in contrast to the abundant nitrogen. and oxygen present on Earth. The atmosphere is also so thin that ultraviolet radiation would be extremely strong at the surface. Life on Mars could not be ruled out by these observations, but it would have had to adapt to distinctly un-Earth-like conditions.

Any lingering hope that Mars might have cities full of intelligent Martians or vast fields of vegetation were dashed with the first successful probe to fly past the planet in 1965. Mariner 4 imaged Moon-like cratered terrain, measured extremely low temperatures, and was unable to detect a magnetic field. Even worse than ruling out complex life, Mariner 4's observations suggested Mars would be unable to host any life at all. Despite this disappointment, a combination of curiosity and Cold War competitiveness kept Mars exploration going, and this persistence would soon pay off in spectacular style.

Late 1971 saw a flurry of activity around Mars. NASA's Mariner 9 became the first spacecraft to orbit another planet in mid-November and was shortly followed by two Soviet Union orbiter and lander missions. Mariner 9 immediately discovered that the whole planet was cloaked in a huge dust storm, but the Soviet landers had preprogrammed descent procedures that could not be altered. One lander crashed but the other achieved the remarkable feat of the first soft landing on Mars. However, its transmissions cut out after just a few seconds and it was never heard from again. Both the American and Soviet orbiters were far more successful in comparison, with Mariner 9 in particular revolutionizing our understanding of the planet. Photos revealed giant volcances that dwarf the biggest on Earth and many lava. flows appeared to be geologically young. Multiple channels that had been eroded out by rivers flowing in Mars's early history were observed. On top of this, a vast canyon system, later named Valles Marineris, was seen near the equator, Valles Marineris is so big that it could extend from one coast of the USA to the other with room to spare. Mars had dramatically bounced back from the dead world suggested by Mariner 4's observations. It was just sheer bad luck that the first fly-by mission had managed to photograph the least interesting parts of the planet.

Evidence of ancient flowing waters and long-lived volcanism reignited our interest in understanding life on Mars. Even if life was absent in the present day, it may have existed in the past. If any molecular remains of this potential ancient life could be identified, then analyses could be performed to examine if these ancient Martians evolved separately from life on Earth. When NASA subsequently launched the twin orbiter and lander missions, Viking 1 and Viking 2, the detection of present-day life and identifying the remains of ancient organisms were mission priorities. Viking 1 landed on the 20th July 1976 and sent back the first image of the Martian surface, which revealed a boulder strewn desert with no obvious signs of living creatures roaming

across it. Viking 2 landed on the 3rd
September 1976. Both landers took samples from the
Martian surface and tested them for the presence
of life and molecules that past or present life may
have left behind. The results of the majority of these
tests were inconclusive or negative, but one test,
the labelled-release experiment, suggested some
sort of active reaction was occurring in the sampled
material when nutrients were added. What the cause
of this reaction may have been remains debated,
but a biological source is unlikely given the negative
findings of the other experiments. The Viking missions
revealed much about the environment and geology
of the Martian surface, but it was clear that Mars does
not give up its secrets concerning life so easily.

The rocks and dust that make up Mars' surface have recorded dramatic climate shifts from early wet and potentially warm conditions through acidic sulfurdominated environments to the cold and dry deserts of today. Every mission following the Viking project has attempted to understand parts of this geological story. In 1997 Pathfinder, coupled with the tiny Sojourner. rover, landed near Ares Vallis, a channel carved by a huge ancient flood. The 2004 Mars Exploration Rovers, Opportunity and Spirit, studied rocks rich in sulfur and iron that revealed a complex history of water-rock interactions. The 2008 Phoenix lander discovered chlorine salts that would disrupt some of the experiments looking for evidence of life on Mars but also form liquid brines resistant to freezing, which could allow liquid water to flow at times on present-day Mars. In addition to the surface investigations, orbiting missions, such as Mars Global Surveyor, Mars Express, MAVEN, and Mars Reconnaissance Orbiter, have given us a global view of Mars and its atmosphere.

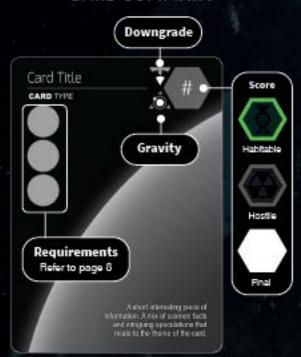


In 2012, Curiosity entered the fray. This giant roving laboratory is equipped with a huge range of analytical instruments and offers our best hope yet of identifying the remains of ancient Martians. The rover is currently travelling over stacked layers of sediments that have recorded a substantial portion of Mars' geological history. As with Viking, scientists will spend decades analysing and debating data sent back and looking for any evidence of Martian life. In the next few years, at least two more rovers are scheduled to land and continue our exploration of the red planet.

With Planetarium, we wanted to give a sense of the diverse range of factors and environments that can support or hinder life. Due to regular volcanism throughout most of its history, periods of flowing liquid water, and in combination with its proximity to Earth, Mars currently represents our best chance for identifying evidence of ancient living organisms on another world in the next few years. Beyond this, missions to sample the plumes of water emanating from icy moons are planned, and when the James Webb Space Telescope launches, it will be able to study the atmospheres of exoplanets. It is also important to remember that so far we only understand Earth-like life. If we discover alien organisms on the icy moons of our Solar System or in environments beyond, they may turn out to operate in a radically different way. We hope you enjoy the game and are encouraged to find out more about planets, stars, and the whole Universe!

James Lewis

CARD SUMMARY





GRAVITY

The Gravity icon grants some cards a special power When a card is played with a Gravity icon, the player may take one Matter token from anywhere on the board and place it on any Planet on their player mat.



DOWNGRADE

The Downgrade icon on a card means that instead of playing a card on your turn, you may discard this card and draw a Low Evolution card. You must lower your score by one point, and can only do this for one card per turn, and downgrading a card means that you cannot play another card this turn.

STARTING HANDS

Draw 2 **LOW** Evolution cards Draw 2 **HIGH** Evolution cards Draw 2 **FINAL** Evolution cards, keep one and discard one.

Hand size: 5 Cards (with a maximum of 4 Final Evolution cards)

CARD REQUIREMENTS



The Planet must be a Gaseous System (as marked on the player mats and game board).



The Planet must be Terrestrial (as marked on the player mats and game board).



The Planet must be in an orbit that includes or lies between the numbers listed.



The Planet must be Habitable. The Habitable/Hostile token must show the Habitable side.



The Planet must be Hostile. The Habitable/Hostile token must show the Hostile side.



The listed number of Matter tokens must be present on the player's mat and on the Planet they intend to play the card to. When the card is played, these Matter tokens are placed on the next available spaces of the Evolution Track.



The player must remove one of their player markers that is already on a card on the Planet.

ACCELERATION

When a Matter token is placed on the

space on the Evolution Track, thereafter Matter tokens may be moved one or two spaces.

Planet tokens are not affected.