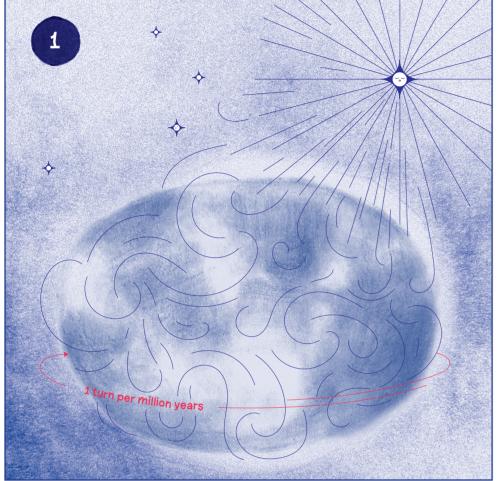
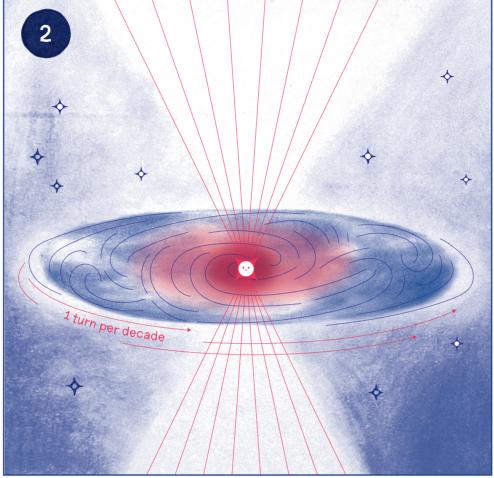


Where does the Earth come from?

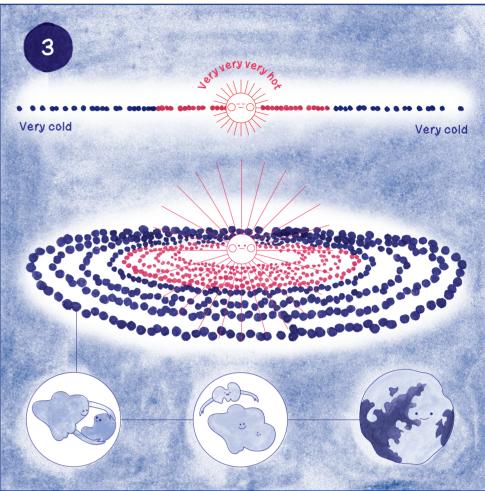




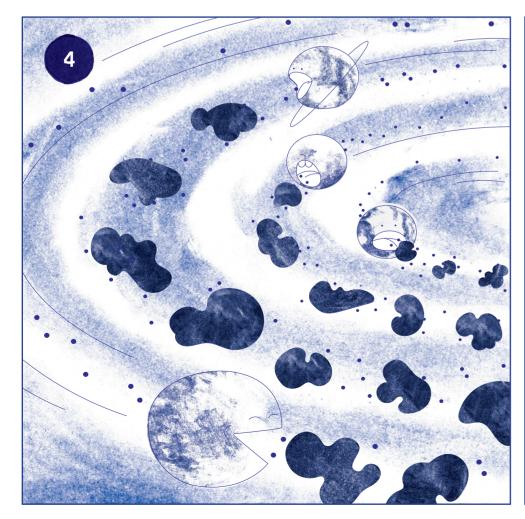
More than 4 billion years ago, a star explodes, leaving behind a huge cloud of gas that slowly rotates on itslef...



Under the influence of gravity, this cloud collapses On the cooler edges, the molecules slow down on itself and forms a very hot disk, which rotates much faster.



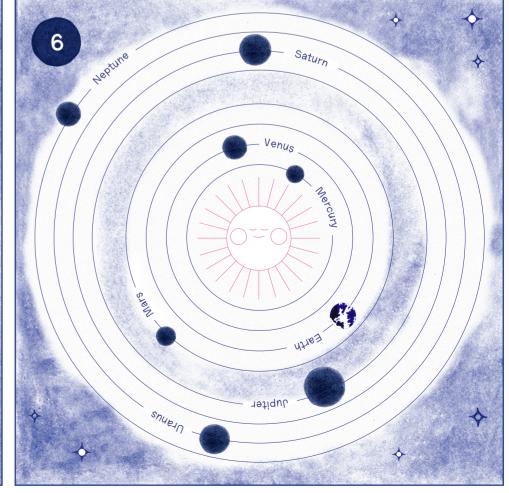
and aggregate into small grains, which eventually form asteroids that are a few kilometers long.



Gravity attracts asteroids to one another, and little Our Earth collides with a smaller planet, Theia. by little they form larger planets.



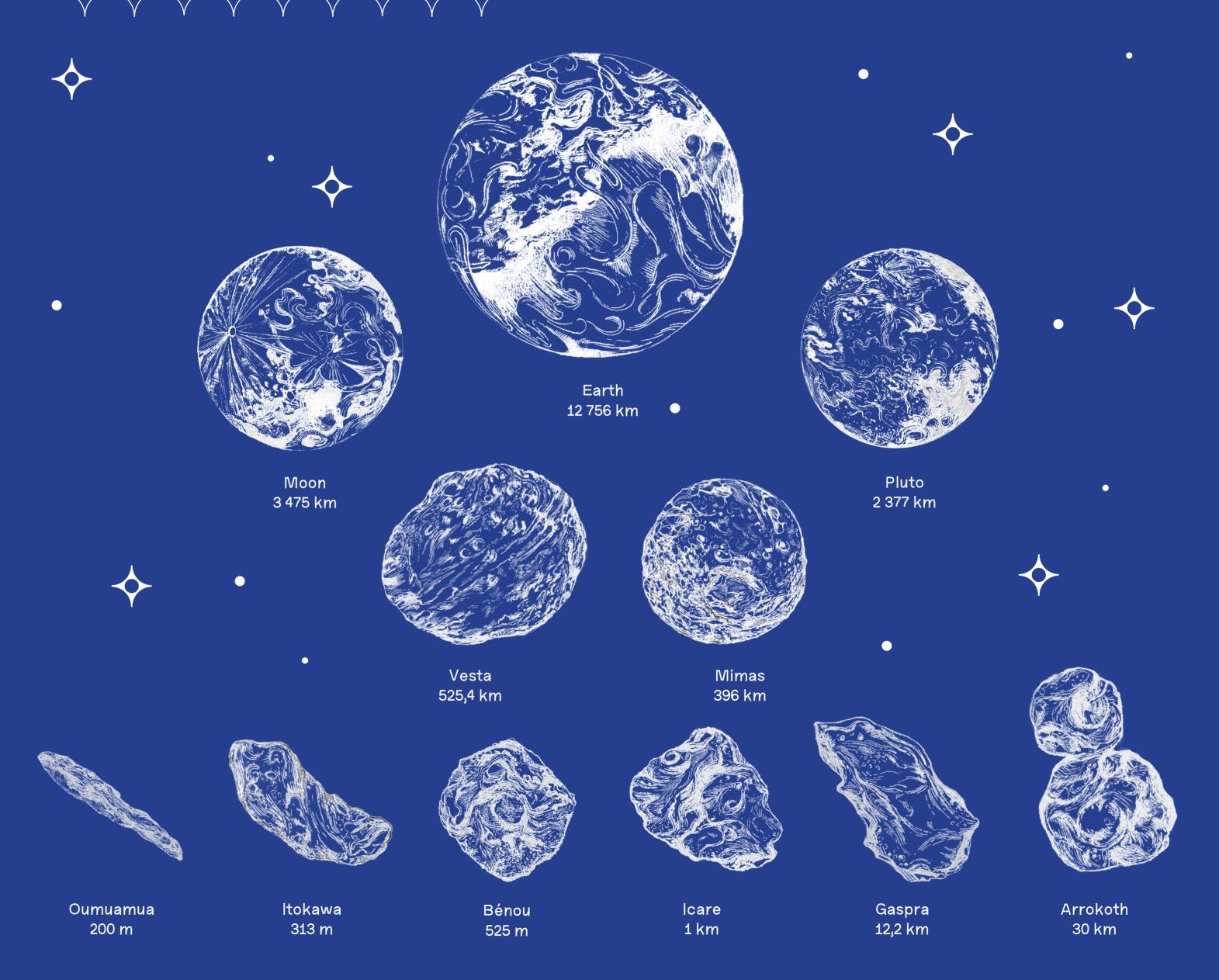
This collision gives birth to the Moon.



Nearly a hundred million years after the initial collapse, all the planets are now in stable orbits around the Sun. Welcome to our solar system!

Cosmic inventory

When a stellar object forms, gravity pulls all of its matter toward its center. When its diameter exceeds 100 km, it naturally takes the shape of a sphere.



This explains the bizarre shapes of celestial objects that are less than 100 km in diameter, such as asteroids.

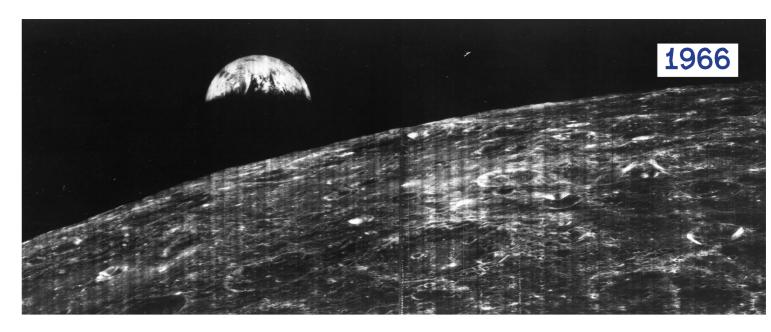
From the outside



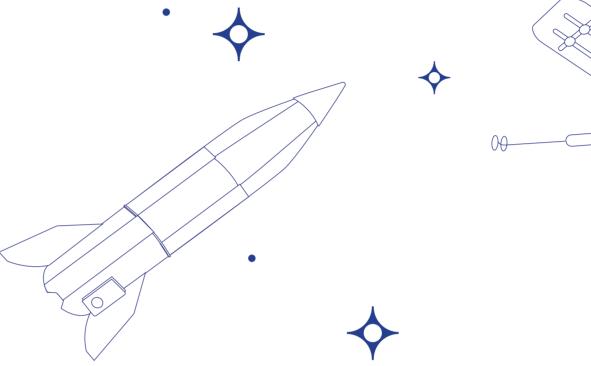
First image of the Earth Photo captured by a V2 rocket.

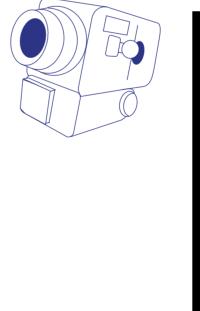


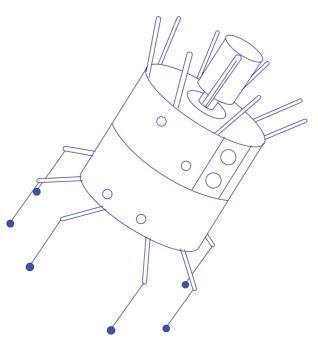
First color image of the Earth Photo captured by an ATS-3 satellite and later used as the cover of the first «Whole Earth Catalog».



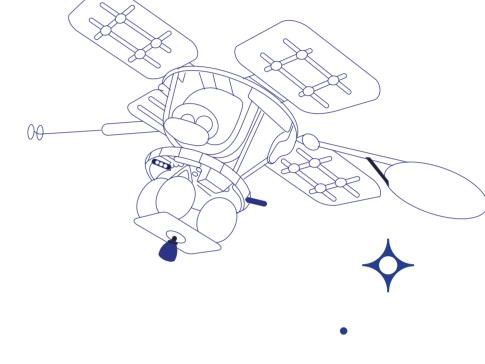
First image of the Earth taken from another astronomical object Photo captured by Lunar Orbiter 1 from the Moon.







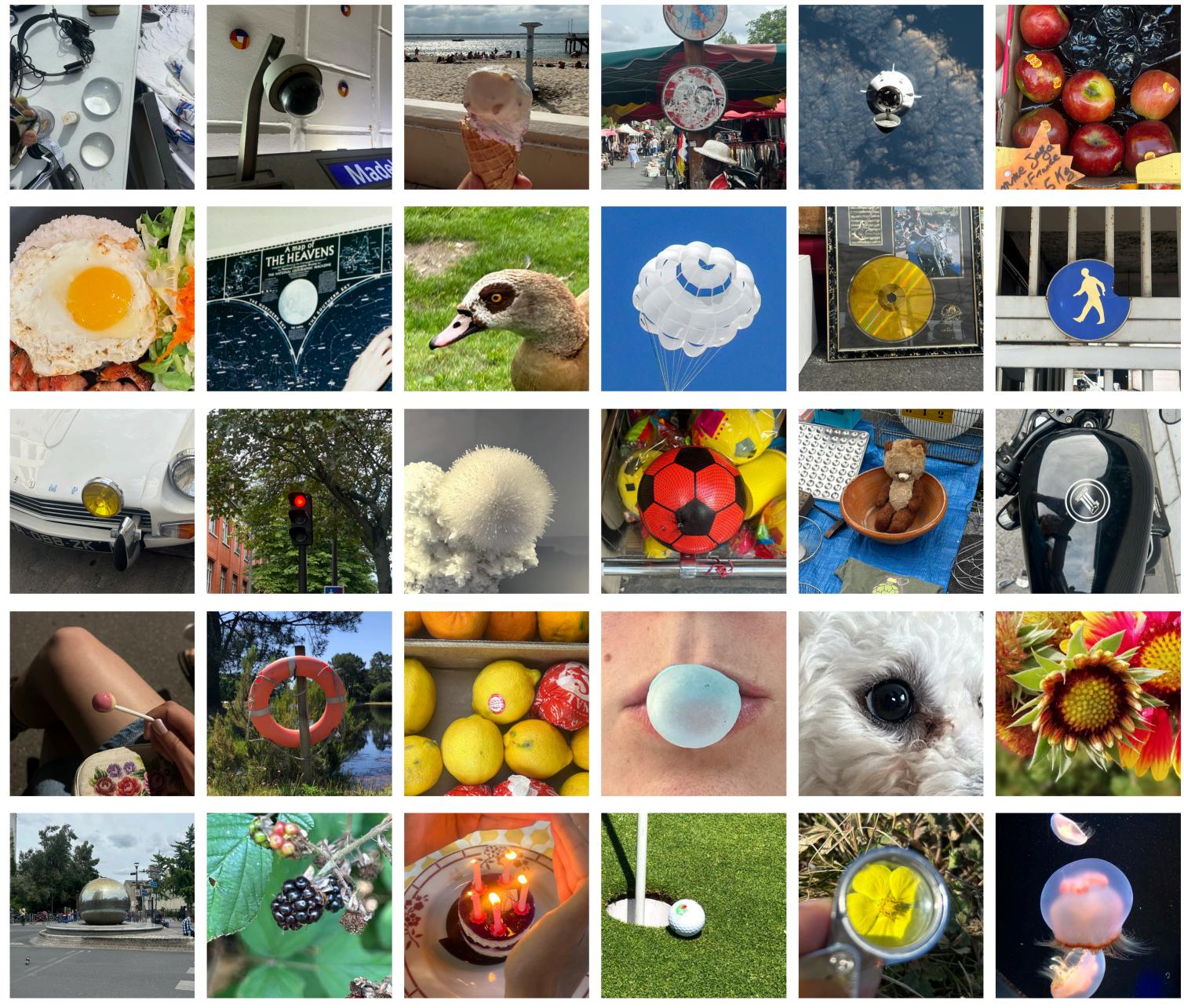






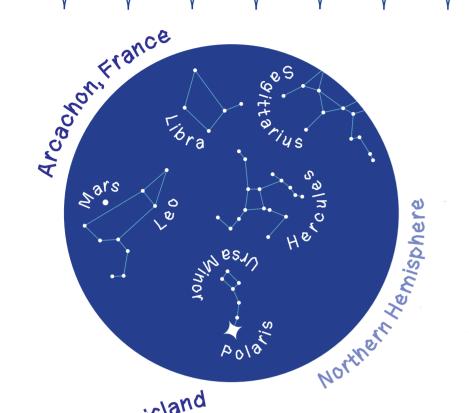
First image of the Earth taken by a human from another astronomical object Photo captured on the Moon by William Anders during the Apollo 8 mission with a Hasselblad 500.

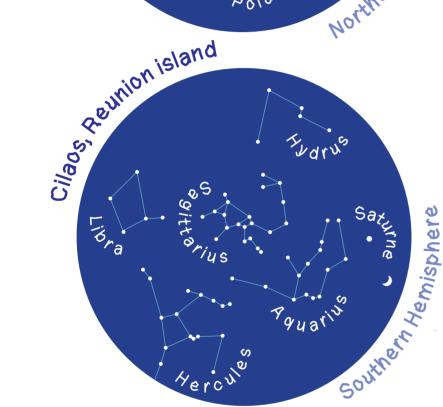
Circles everywhere



5/9 · A Pale Blue Dot · Circles everywhere

It's round: here's the proof



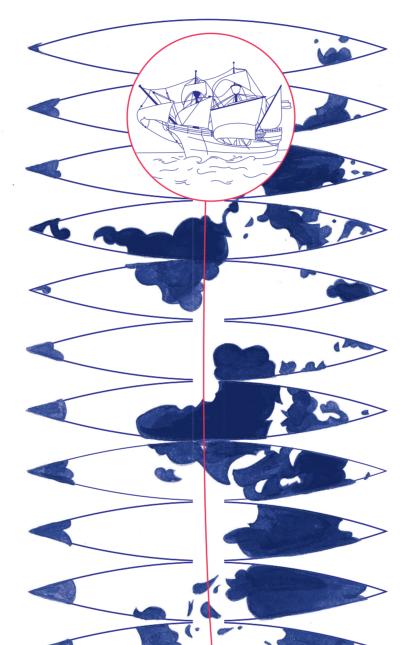


Stars

Only a round Earth helps to understand why stars have different positions in the sky, depending on the latitude.

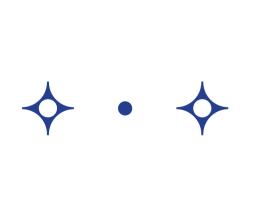
Sailors

In 1519, Magellan and his sailors begin an expedition that will become the first real circumnavigation of the globe, three years later.





During a lunar eclipse, the Earth's shadow on the Moon is always round.





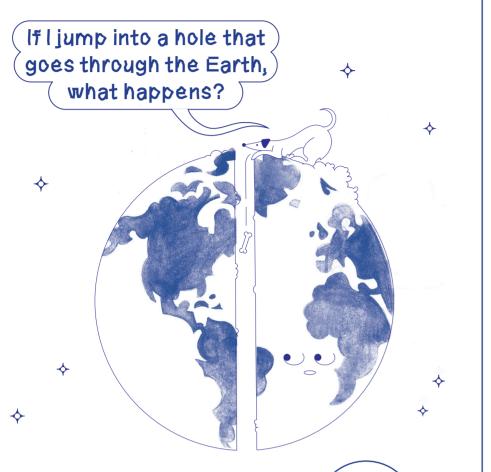
If the Sun only illuminates one half of the Earth at a time, leaving the other half in the dark, it's because it is round and rotating.

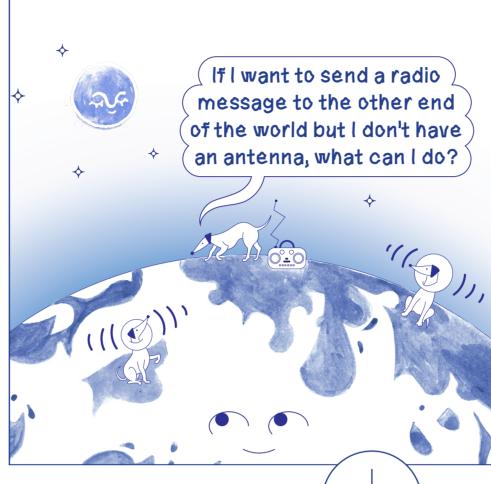


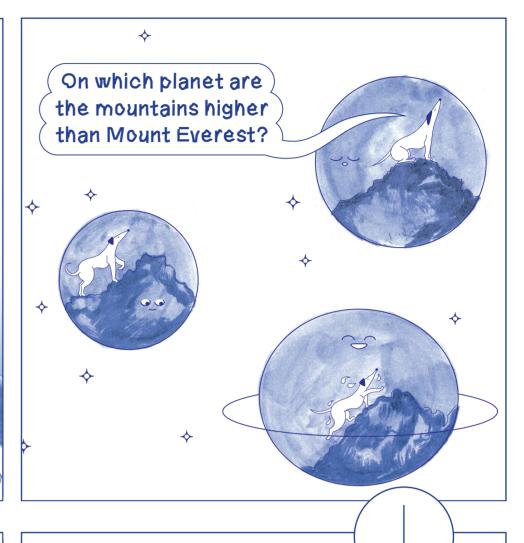
You will be surprised!

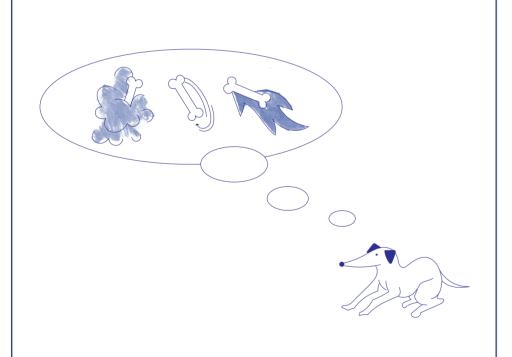
Oh yes, fun facts!

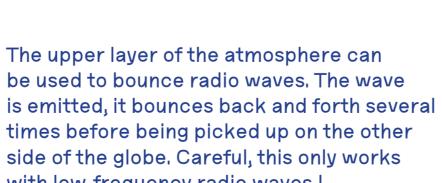










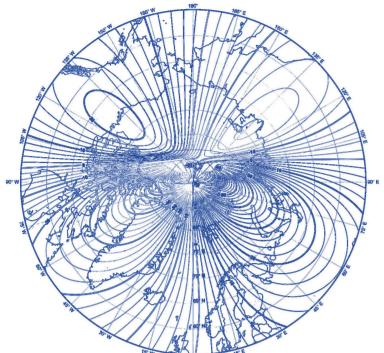


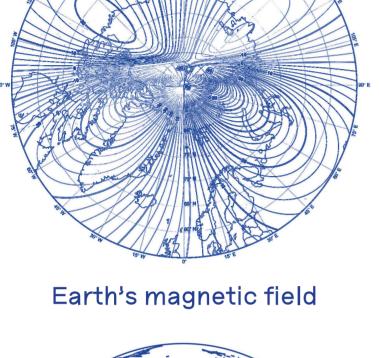


The smaller a planet, the less gravitational The journey would take 42 minutes, and once is emitted, it bounces back and forth several pull the mountain has, so the higher it is. on the other side, we'd go back the other way, times before being picked up on the other On Mars, which is half the size of the Earth, like a yo-yo! But given the temperature at the side of the globe. Careful, this only works Mount Olympus is 3 times the size Earth's core, we'd burn up long before that... with low-frequency radio waves! of Mount Everest.



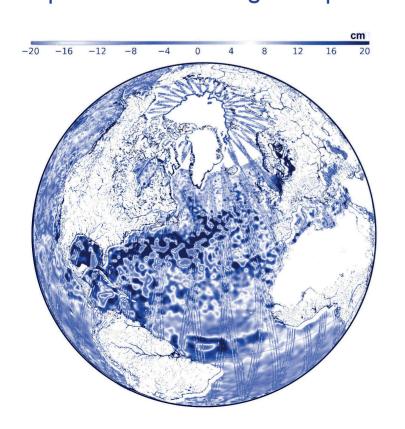
Scientists have many ways to represent the Earth, depending on what they are researching.



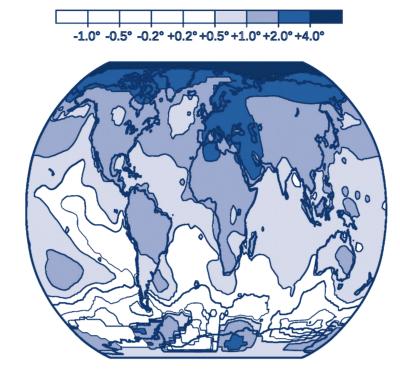




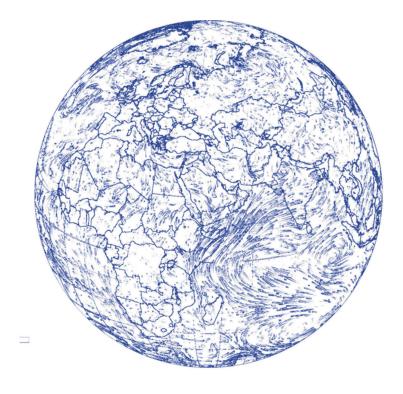
Proportion of endangered plants



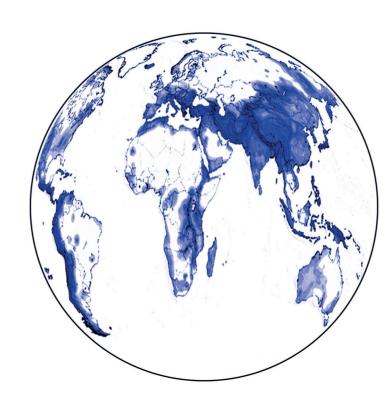
Water levels



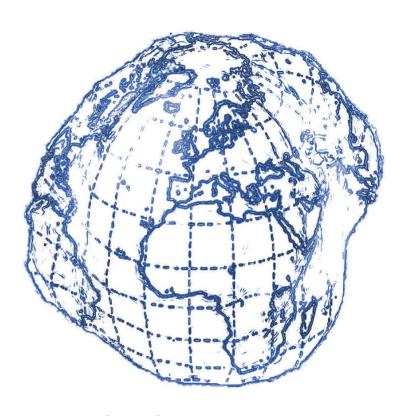
Rising temperatures since 1979



Pollution and air movements



Seismic risks



Gravity anomalies



Nature of geological zones





Captured by the Voyager 1 satellite on February 14th, 1990, the «Pale Blue Dot» photograph remains the most distant image of Earth ever taken, nearly 6 billion kilometers away. Seen through the cameras of the time, it is reduced to a few pixels only.

