This version of modern science's origin story is condensed and interpreted from a great body of historical and scientific information.

In the beginning, as far as we know, there was nothing. Suddenly, from a single point, all the energy in the Universe burst forth. Since that moment 13.8 billion years ago, the Universe has been expanding — and cooling down as it gets bigger.

Gradually energy cooled enough to become matter. One electron could stay in orbit around one proton to become an atom of hydrogen. Great clouds of hydrogen swirled around space until gravity pulled some atoms so close together that they began to burn as stars. Stars swirled together in giant clusters called galaxies; now there are galaxies numbering in the billions.

After each star burned up all its matter, it died in a huge explosion. The explosion generated so much heat that some atoms fused and got more and more complex, forming many different elements, including gold and silver.

One giant star, our mother star, exploded and scattered clouds of gas containing all the elements needed to form living beings. About 5 billion years ago gravity pulled these atoms into a new star, creating the Sun. The leftover pieces of matter stuck to each other and formed eight planets, which revolve around the sun.

The third planet out, Earth, became our home. It was the perfect size — not too big, not too small — and the perfect distance from the Sun, not too far or too close. A thin crust formed over Earth's hot interior, and the temperature was just right for water to form on parts of the surface. Gradually the chemicals in the water formed inside of membranes and got more complex until single-cell living organisms appeared, able to maintain themselves and reproduce.

For 3 billion years these one-celled creatures reproduced almost exactly, but not quite. They gradually changed in response to their environment.

## Life becomes more complex

But they also changed their environment. They learned to bur from the Sun, and they released oxygen into the atmosphere. oxygen formed an ozone layer around Earth that protected lif the Sun's rays.

Eventually cells stuck together to form creatures with many at Plants and animals came out of the sea onto land and becar more complex and aware, until about 100,000 years human be evolved from a shared ancestor with the species of apes.

Humans could talk in symbols and sing, dance, draw, and comore than the other animals could. Humans learned to write accumulate their learning so that it kept expanding. Humans in skills and in numbers until there were too many people and few big animals in some places.

Then humans learned to grow their own food and herd their canimals. Some animals learned to cooperate with humans. The humans new sources of food and work energy, and they coul in larger and larger groups. These groups expanded into cit empires, using more and more of the resources of Earth. Hur collaborated and learned collectively in more complex ways; traveled, traded, and exchanged inventions, creating vast civil of astonishing beauty and complexity.

Humans were always looking for more energy for their use. If years ago we learned to use the energy from coal — trees the more than 300,000 years ago, then were buried underground learned to burn oil — animal remains buried long ago under the Using these fossil fuels, humans began to change their clima as the gases released from burning these fuels ascended in atmosphere.

Now humans are in a predicament — our population is increasing rapidly, fossil fuels are running out, we are pushing many plants and other animals into extinction, and we are changing the climate. What are we humans going to do next?