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STROBIOLOGY

The Story of our Search for Life in the Universe

Produced by the NASA
Astrobiology Program to
commemorate 50 years of
Exobiology and Astrobiology
at NASA.

Astrobiology

A History of Exobiology and Astrobiology at NASA

This is the story of life in the Universe—or at least the story as we know it so far. As scientists, we strive to understand the environment in which we live and how life relates to this environment. As astrobiologists, we study an environment that includes not just the Earth, but the entire Universe in which we live.

The year 2010 marked 50 years of Exobiology and Astrobiology research at the National Aeronautics and Space Administration (NASA). To celebrate, the Astrobiology Program commissioned this graphic history. It tells the story of some of the most important people and events that have shaped the science of Exobiology and Astrobiology. At only 50 years old, this field is relatively young. However, as you will see, the questions that astrobiologists are trying to answer are as old as humankind.

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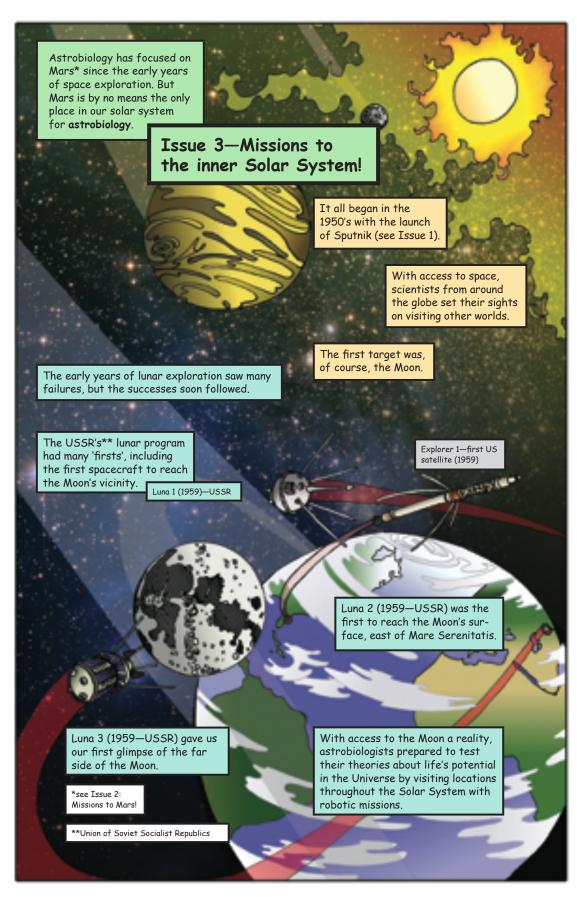
Special thanks to Leslie Mullen and Daniella Scalice

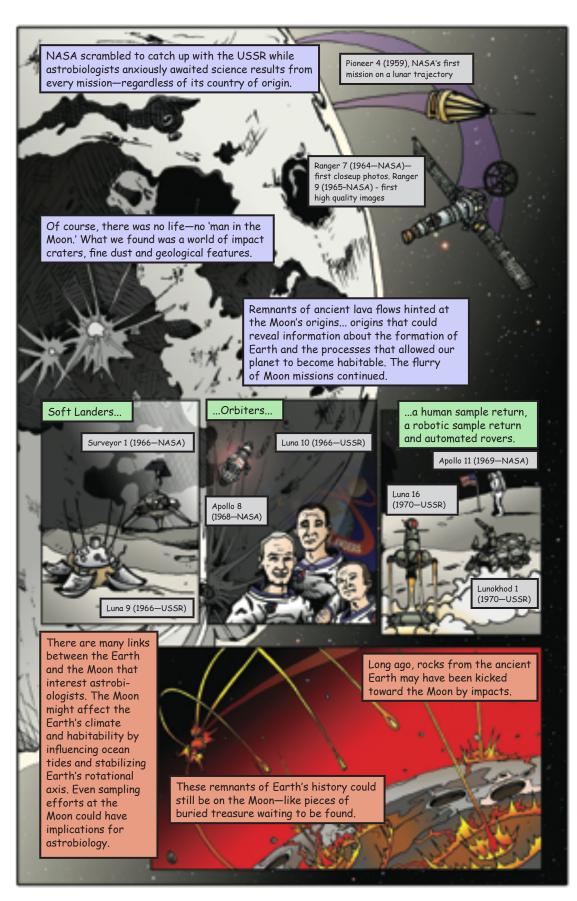
Issue #3Missions to the inner Solar System!

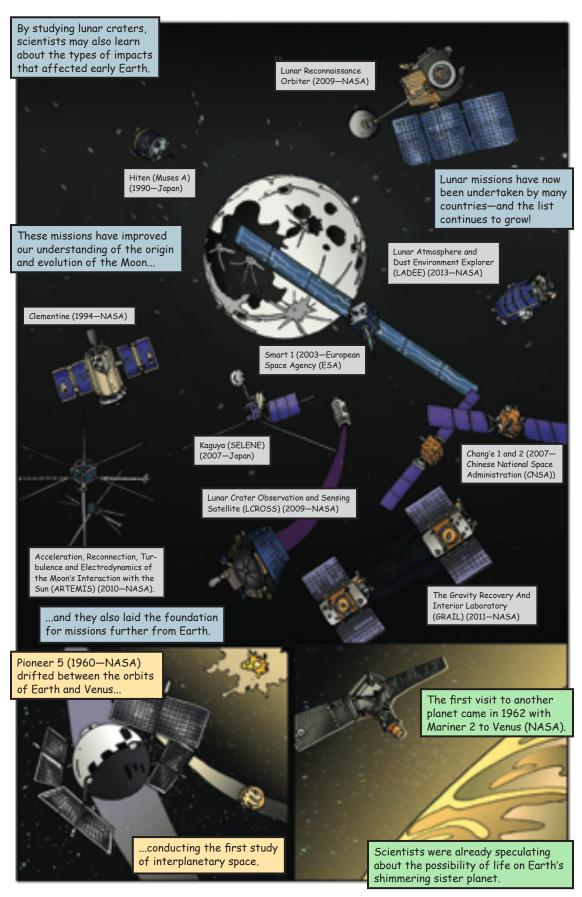


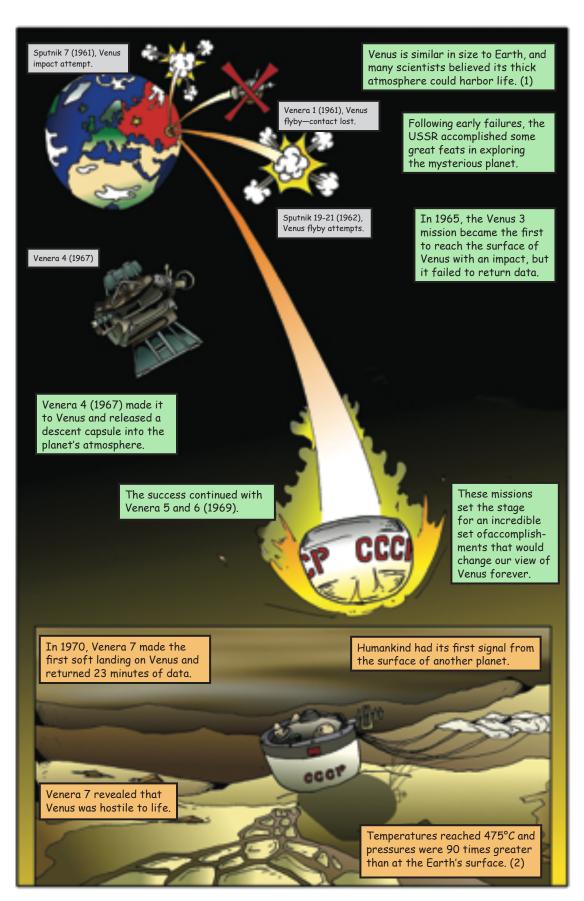
The year 2010 marked the 50th anniversary of NASA's Exobiology Program, established in 1960 and expanded into a broader Astrobiology Program in the 1990s. To commemorate the past half century of research, we are telling the story of how this field developed and how the search for life elsewhere became a key component of NASA's science strategy for exploring space. This issue is the third in what we intend to be a series of graphic history books. Though not comprehensive, the series has been conceived to highlight key moments and key people in the field as it explains how Astrobiology came to be.

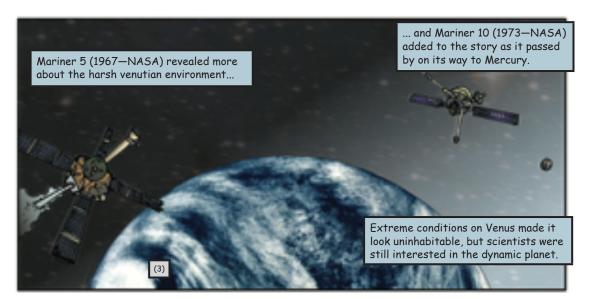
-Linda Billings, Editor

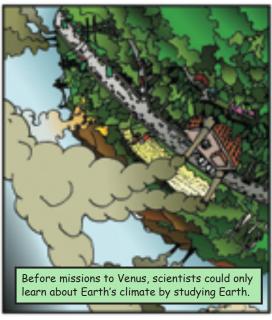


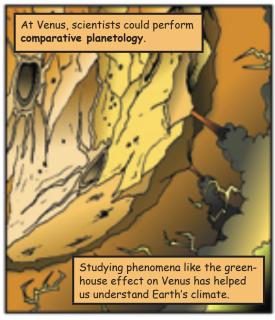


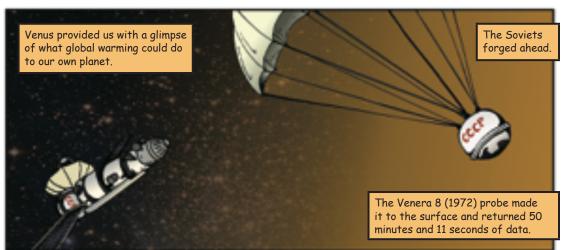


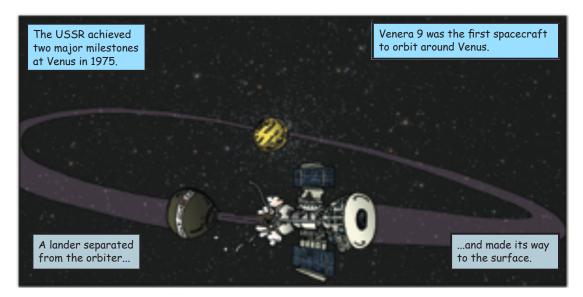


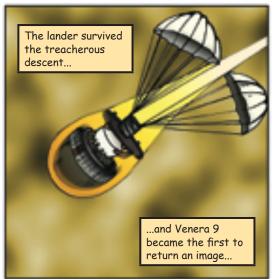


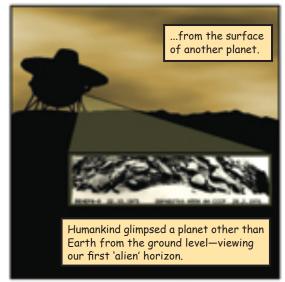


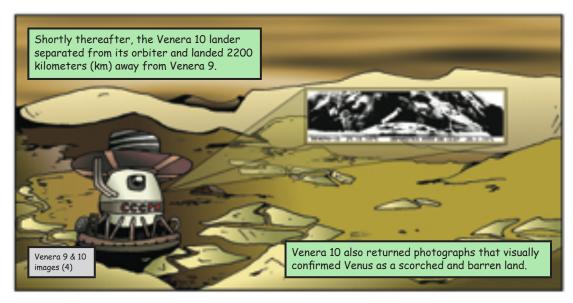


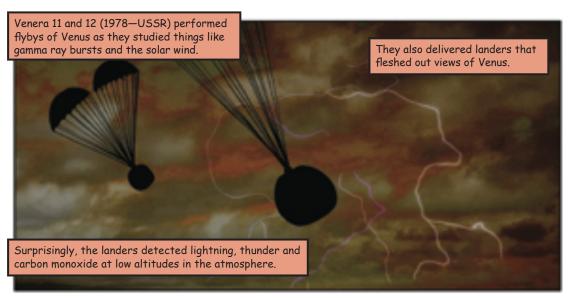


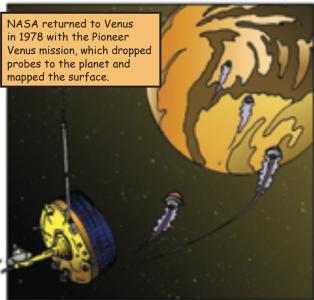






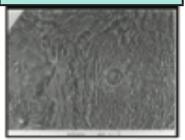


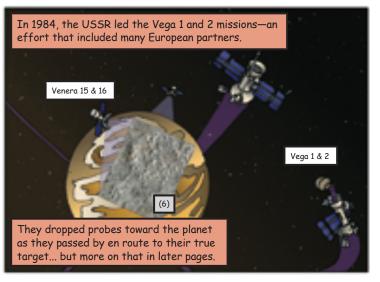


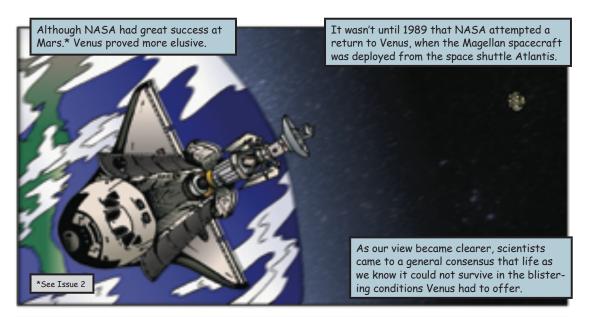


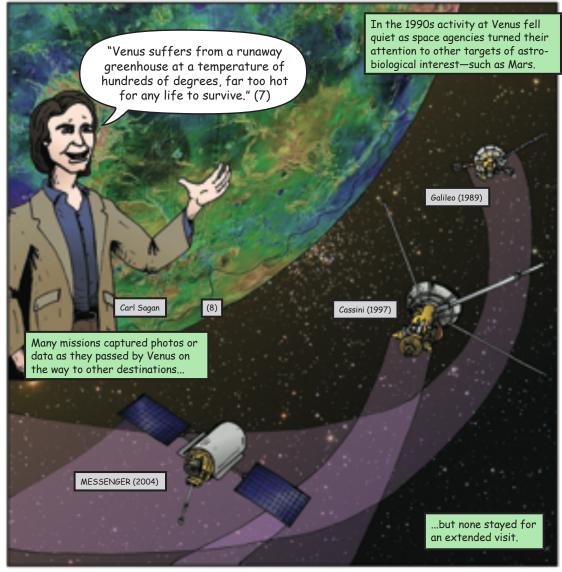
Another "first"
came in 1982 when
Venera 13 and 14
(USSR) touched
down on Venus
and conducted the
first soil analysis
on a planet other
than Earth. The
landers quickly
sent data back to
Earth before they
melted under the
extreme venutian
heat.

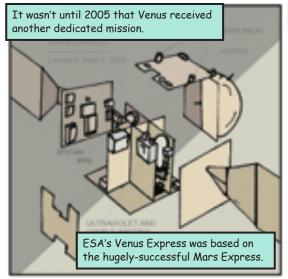
Venera 15 and 16 (1983—USSR) followed, capturing thermal maps of the northern hemisphere and high resolution images of the polar regions. Venera 15 and 16 mapped an area of 115 million km² at a resolution of one to two km by the end of their main missions in 1984. (5)

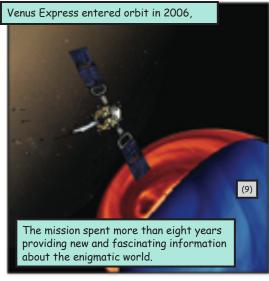


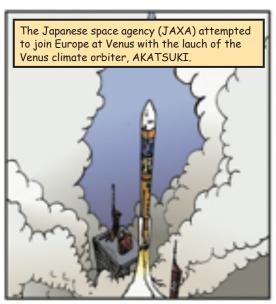


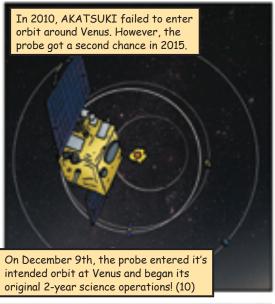




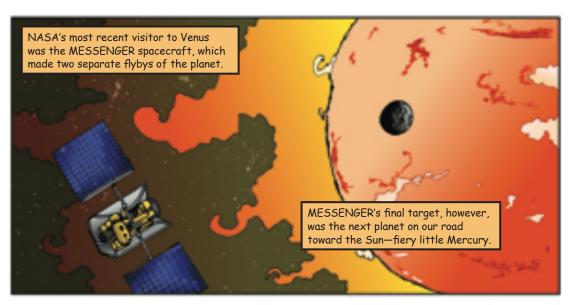


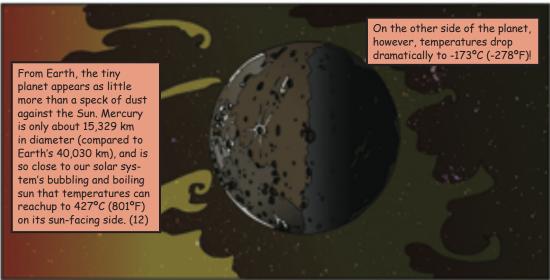


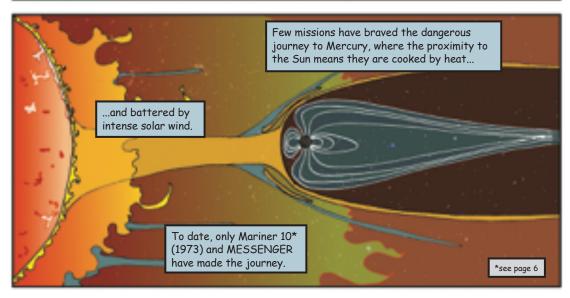


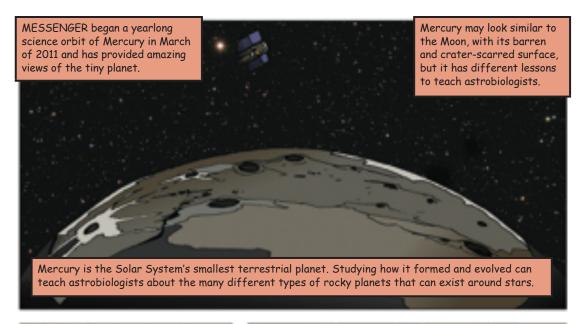


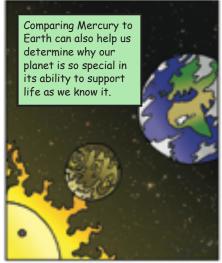


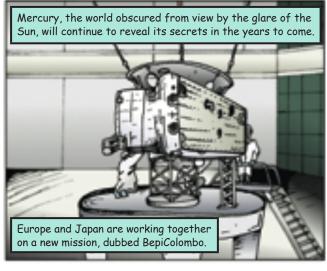


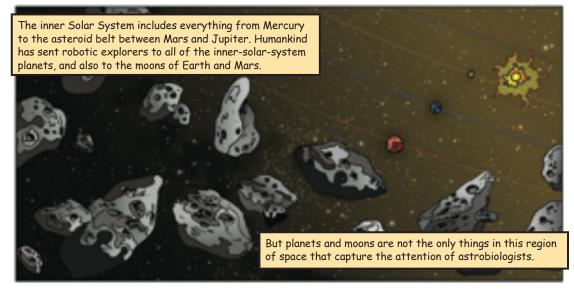


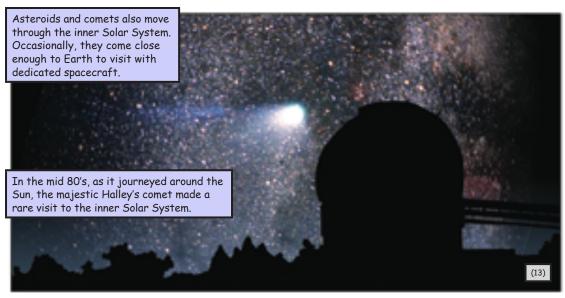


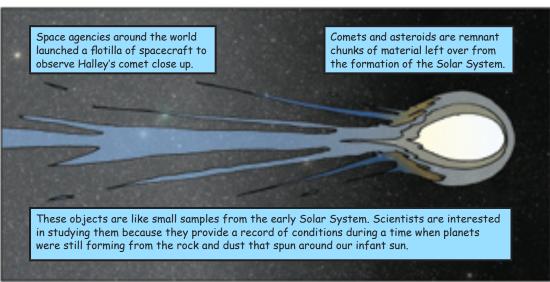


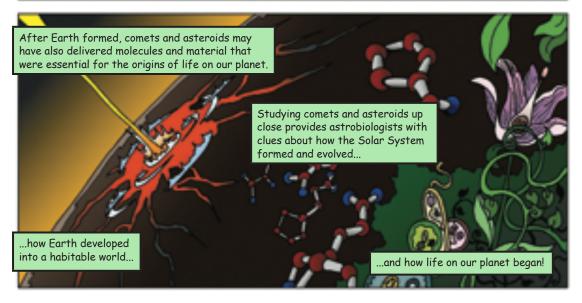


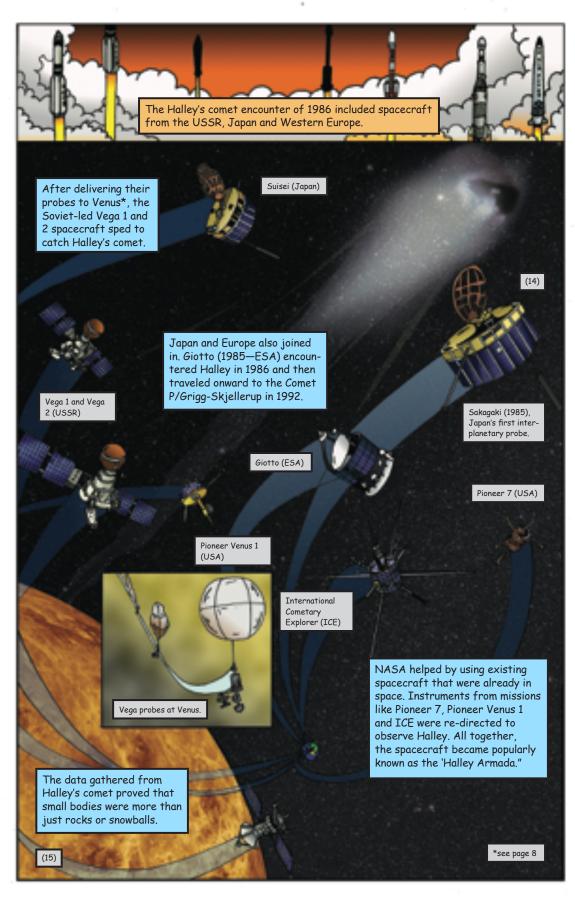


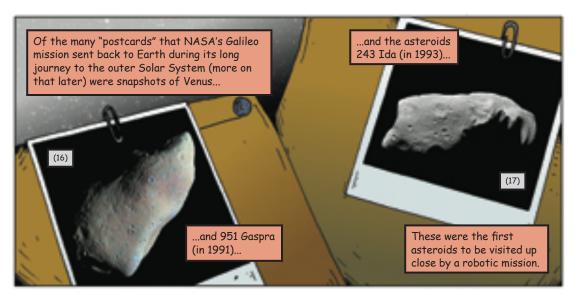


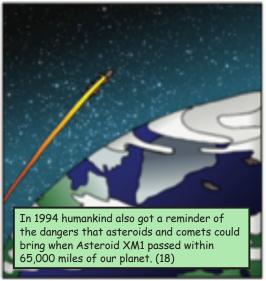


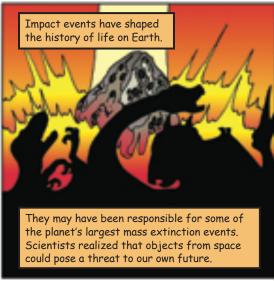


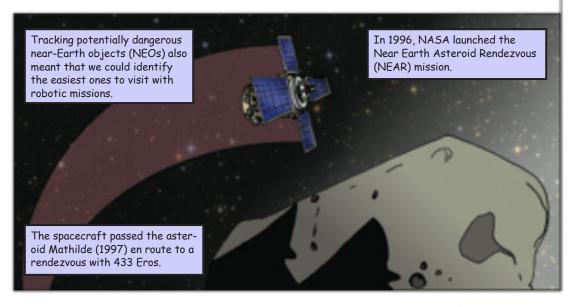




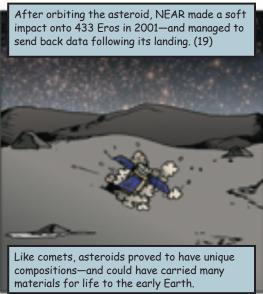


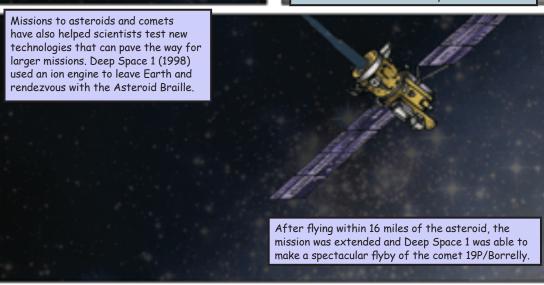


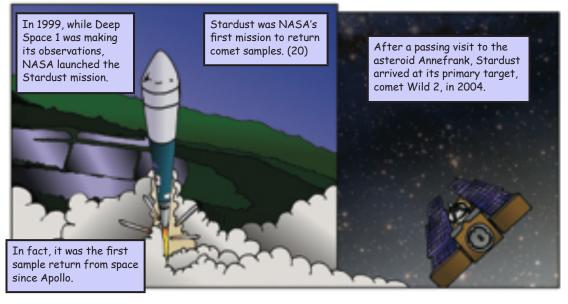


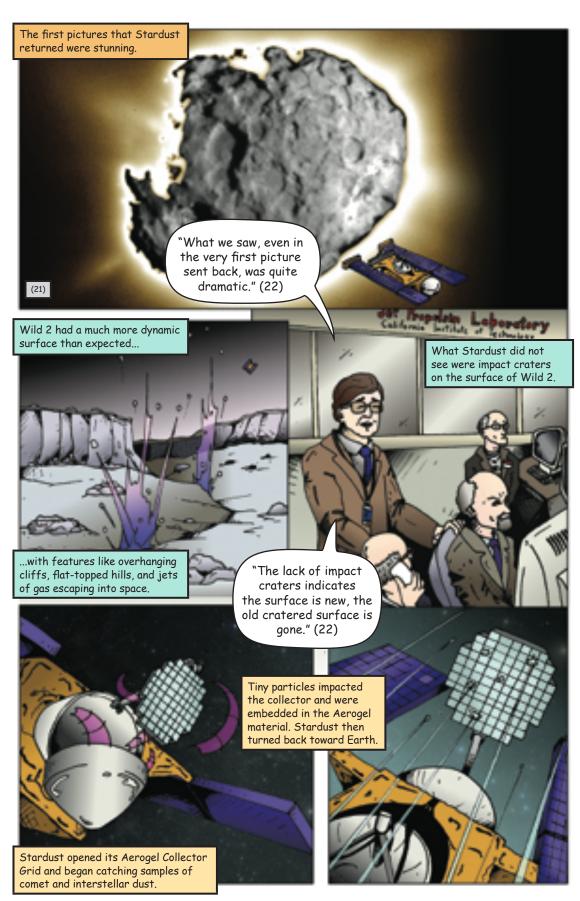


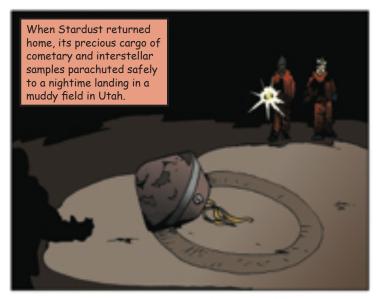




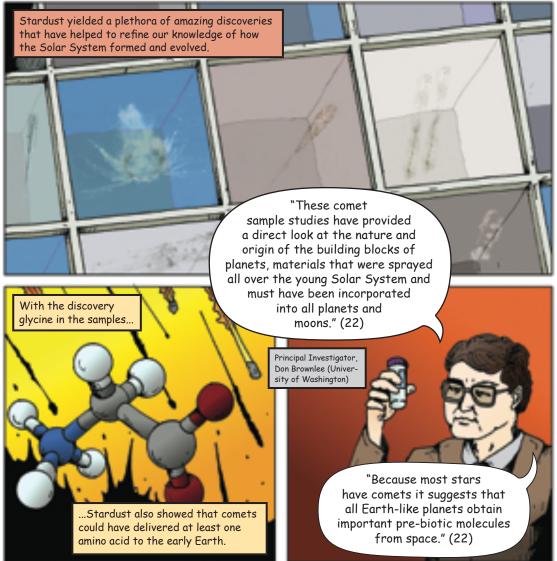


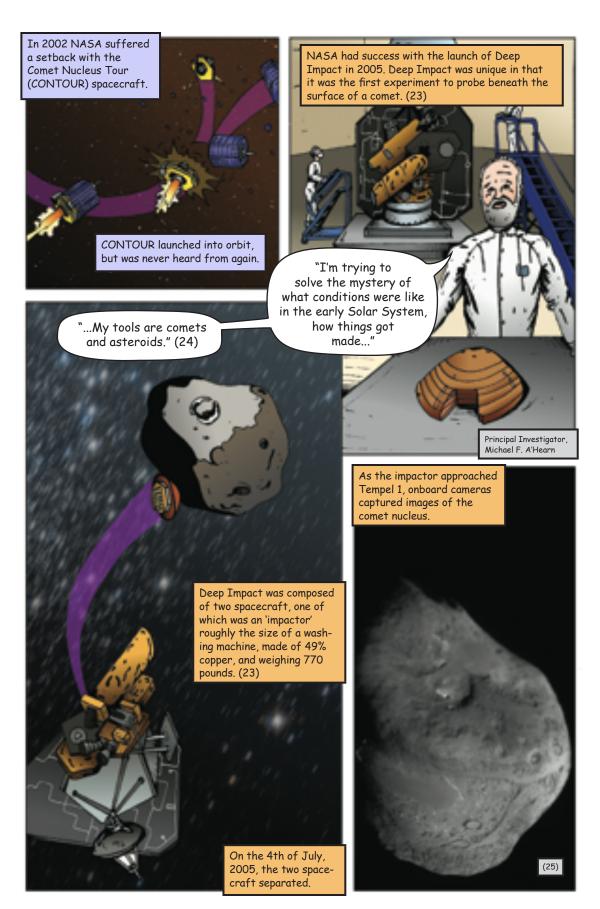


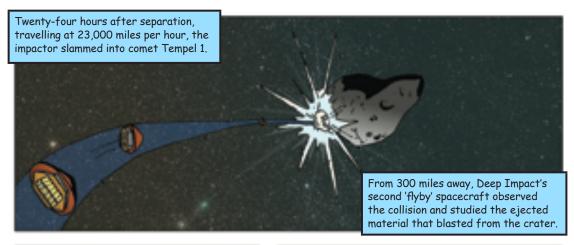


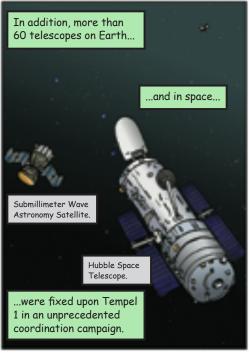


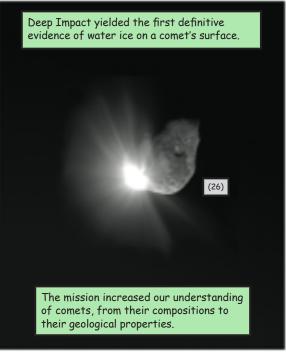


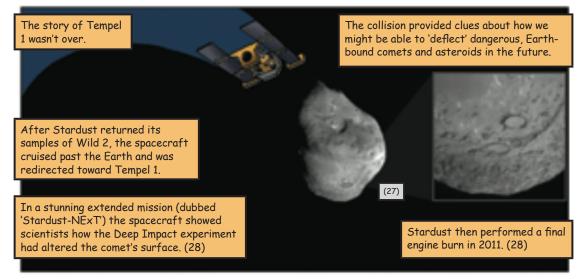


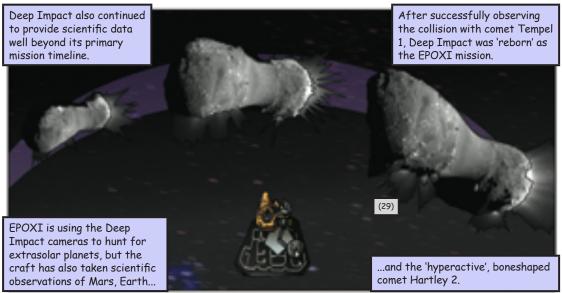


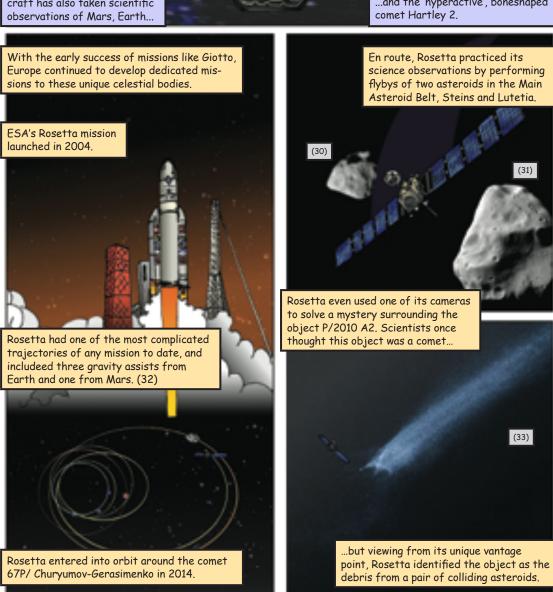


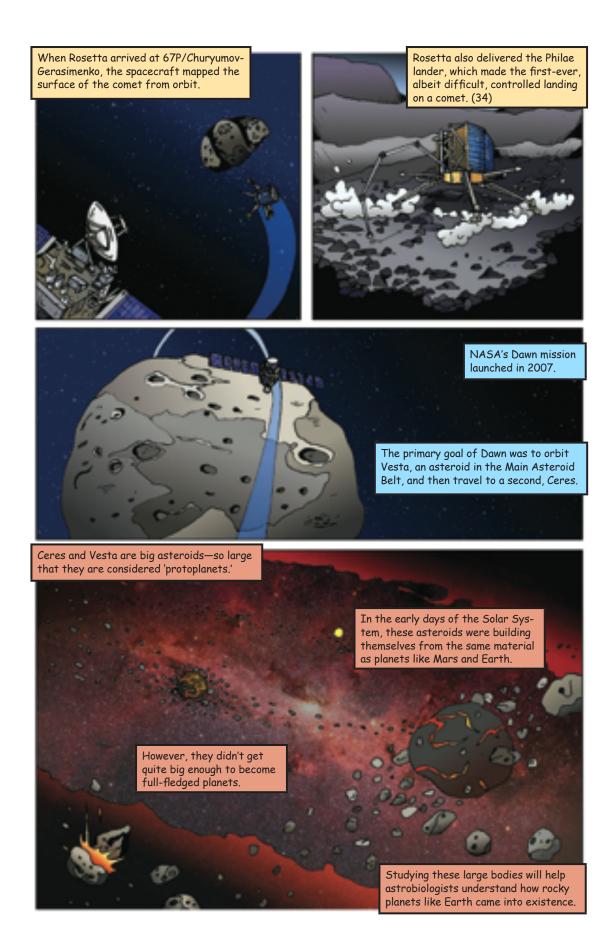


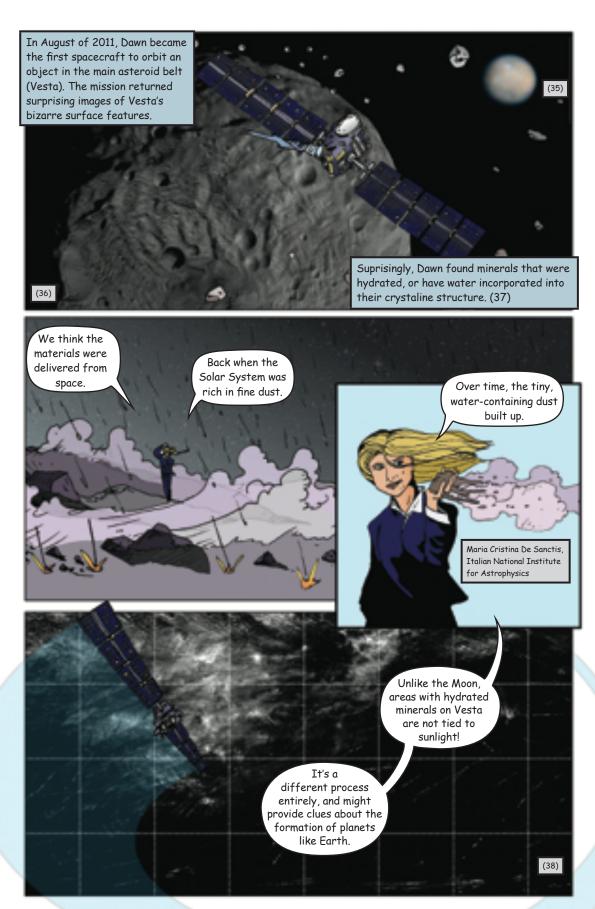


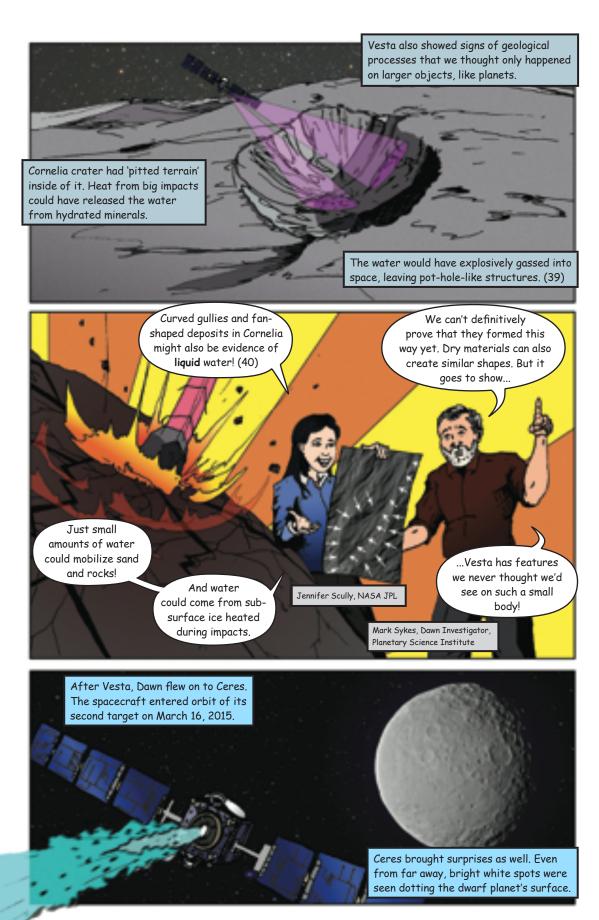


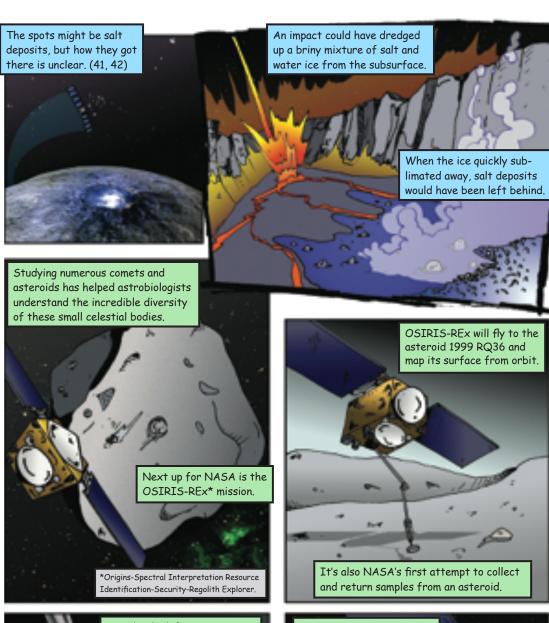


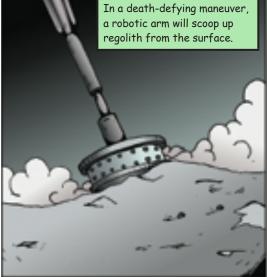


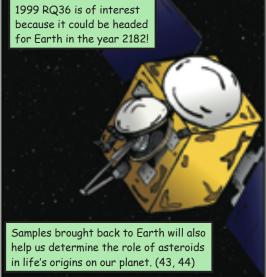


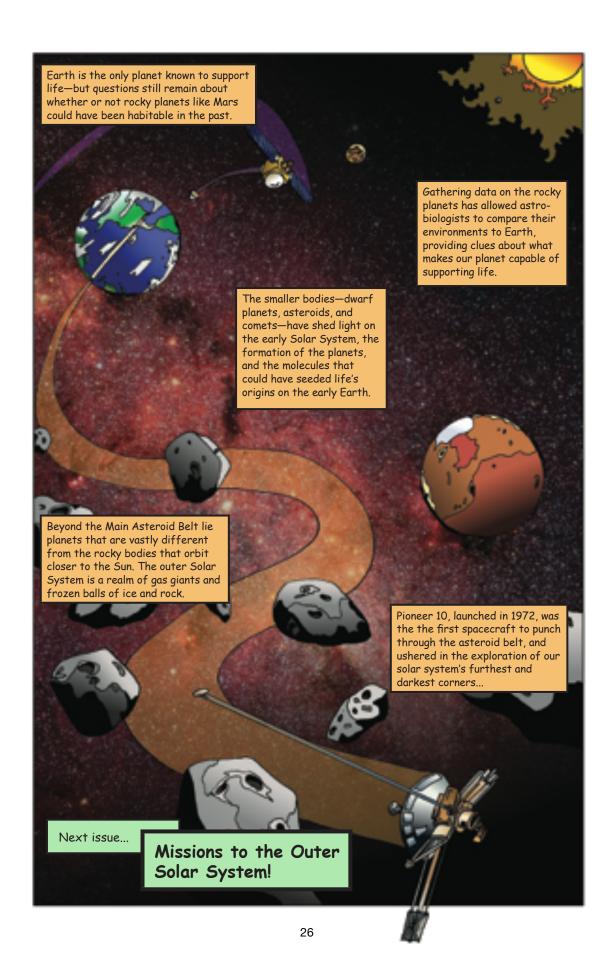












Astrobiology

A History of Exobiology and Astrobiology at NASA

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