

Science Activity 6: Destination Water: Choose a Potential Water Reservoir to Explore

Besides Earth, where in the solar system is most likely to have life?

Searching for Life in the Solar System

Think about what you know about the solar system. Choose the planetary body you think is most likely to have life.

Planetary Body: _____

Amount of Water: _____

States: Water Ice Liquid Water Water Vapor

Reservoir: Subsurface Surface Atmosphere Rings

Exploration:

Could humans explore this water to search for life? Why or why not?

Humans have never been to a planetary body beyond the Moon, so it's important to make sure we know where to search for life before we travel to Mars, asteroids, and beyond.



NASA Career Spotlights



Photo Credit: N4 Solutions

Dr. Berhanu Bulcha

My job at NASA is to create advanced technology that collects images and data on planetary bodies, like Saturn's moon Enceladus, so that we can detect what molecules are there and look for potential life in space.



NASA Career Spotlights



Photo Credit: David Tuman

Aaron Yazzie

My job at NASA is to design robotic mechanisms and tools that allow us to gather rock samples from Mars and beyond.

Humans have never been to Mars, so it's important to learn as much as we can about the planet before we go there.

Think about a living thing that might live on the planetary body you chose.

- Have one person imagine and describe it.
- Have person draw, write, or otherwise record the description.

Think about living things on Earth. Which one do you think is most like the living thing you imagined? Could it live on the planetary body you chose?

- Have one member of your group imagine and describe it.
- Have another member draw, write, or otherwise record the description.