



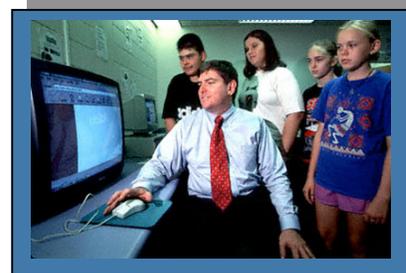
Unlocking the Mysteries: Science on the Edge of Our Solar System

Viewing Guide

Student Video Guide

Directions

For each mission highlighted in the video, *Unlocking the Mysteries*, classify it as a solar system, asteroid/comet, or extrasolar planet mission. Then describe the mission in your own words.



Mission	Classification (Circle One)	Your Description
NEAR	Missions to Comets & Asteroids Missions to the Moon, the Planets, and the Sun Mission to locate planets outside our solar system	
Dawn	Missions to Comets & Asteroids Missions to the Moon, the Planets, and the Sun Mission to locate planets outside our solar system	
Stardust	Missions to Comets & Asteroids Missions to the Moon, the Planets, and the Sun Mission to locate planets outside our solar system	
CONTOUR	Missions to Comets & Asteroids Missions to the Moon, the Planets, and the Sun Mission to locate planets outside our solar system	

Deep Impact	<p>Missions to Comets & Asteroids</p> <p>Missions to the Moon, the Planets, and the Sun</p> <p>Mission to locate planets outside our solar system</p>	
Lunar Prospector	<p>Missions to Comets & Asteroids</p> <p>Missions to the Moon, the Planets, and the Sun</p> <p>Mission to locate planets outside our solar system</p>	
Genesis	<p>Missions to Comets & Asteroids</p> <p>Missions to the Moon, the Planets, and the Sun</p> <p>Mission to locate planets outside our solar system</p>	
Mars Pathfinder	<p>Missions to Comets & Asteroids</p> <p>Missions to the Moon, the Planets, and the Sun</p> <p>Mission to locate planets outside our solar system</p>	
MESSENGER	<p>Missions to Comets & Asteroids</p> <p>Missions to the Moon, the Planets, and the Sun</p> <p>Mission to locate planets outside our solar system</p>	
Kepler	<p>Missions to Comets & Asteroids</p> <p>Missions to the Moon, the Planets, and the Sun</p> <p>Mission to locate planets outside our solar system</p>	

Questions

1. Look over your notes above. If you could choose three of the missions to learn more about, which three would you choose?
2. Do these missions have anything in common? How do they differ?
3. How do these missions together help accomplish the Discovery mission goal: to enhance our understanding of the solar system—past and present?
4. If you could ask one mission's lead scientist a question, which mission would you choose, and what question would you ask?