## DWARF PLANETS:

A TALE OF TWO MISSIONS


## GOING THE DSTANGE




Framing
camera
Visible and infra
spectrometer
Gamma ray and
neutron detector



CALL IT THE YEAR of the dwarf planet. In 2015, scientists will get their first close-up look at two of the
Solar System's biggest little rocks. The Dawn mission Solar System's biggest little rocks. The Dawn mission
will fly past Ceres, in the asteroid belt between Mars and Jupiter, whereas New Horizons will encounter Pluto, the infamous ex-planet that orbits the icy reaches beyond Neptune. They promise to reveaa surprises that could


5700
million


NEW HORIZONS TO PLUTO
NASA's mission to the far reaches
of the Solor system will gather
onta
of nes soar systiem will gather
data on a distant dwart planet. LAUNCH: 19 JANUARY
TARGET: KUIPER BELT

JaWN TO CERES
NASA's probe will analyse the
largest unexplored objects in
LAUNCH: 27 SEPTEMBER 2007 TARGET: ASTEROID BELT


## DIFFERENT JOURNEYS

Dawn travelled using a mixture of
thrustige and cuisisg on its way to the
asteroid bent, whereas New Horizons
sters


## WHAT'S IN A NAME?

There is no faster way to triger an argument among Solar System
researcters than to bring up the e efintitio of a planet. For decades,
Pluto was considered the ninth


- Discovered in 1930 by Clyde Tombaugh
- First known Kuiper belt obiect

Questions

- What does its icy surface look like?


## BODIES OF INTEREST

Both Ceres and Pluto are dwarf planets,
at first glance they have litte in common


ar ackawuat witze /Illustration by nik spencer

