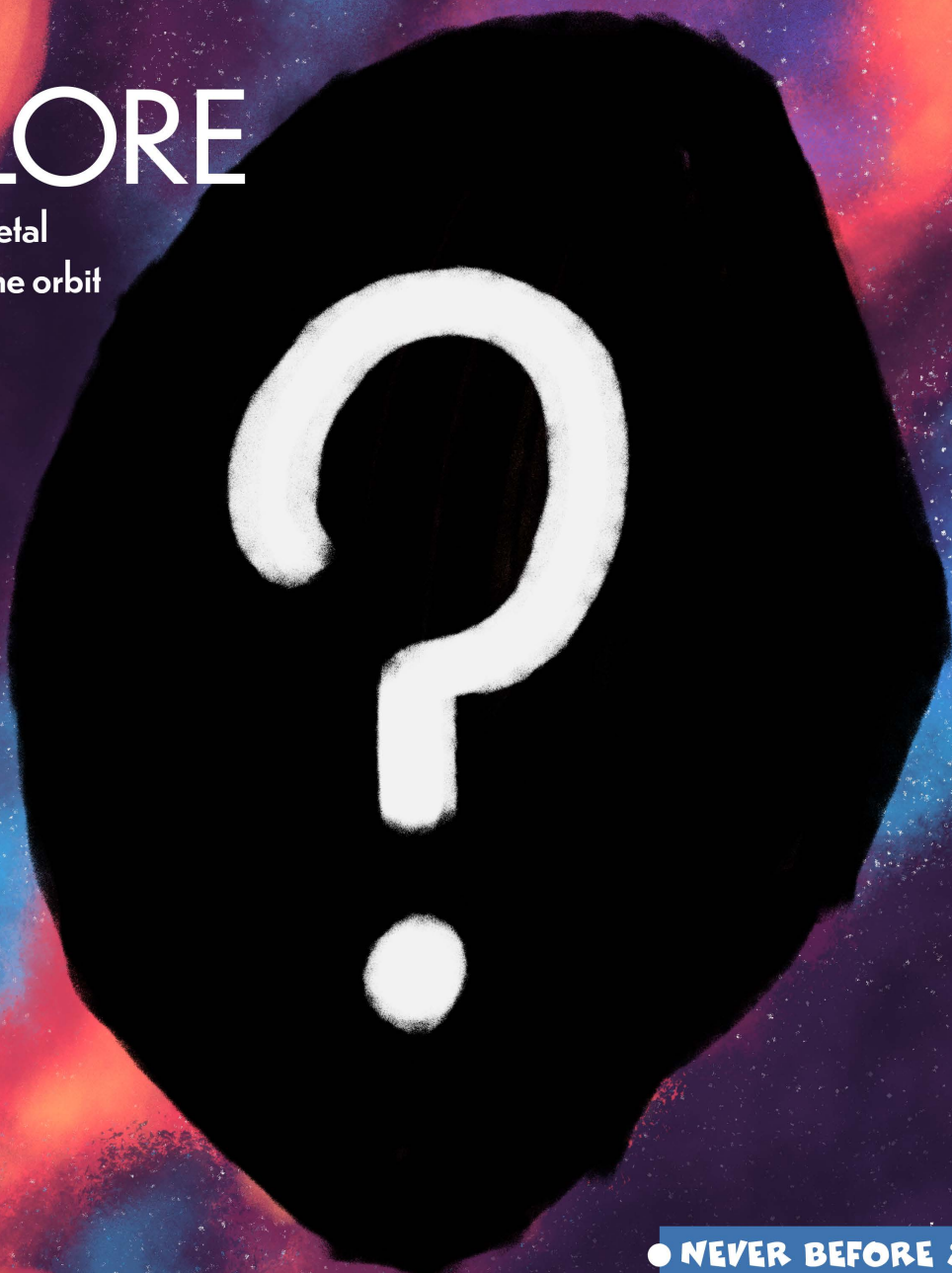


A TRAVELER'S GUIDE TO

16 PSYCHE

EXPLORE

A mysterious metal
world beyond the orbit
of Mars!



● TRAVEL PLANS

● NEVER BEFORE SEEN LANDMARKS

● AN OUT-OF-THIS-WORLD
GHOST TOUR

BY THE PSYCHE INSPIRED COPPER CLASS



Unfortunately, our destination is millions of miles away and doesn't have anything we need to survive, so we have to "visit" virtually with a robotic spacecraft that will orbit the asteroid. We won't be able to turn around if we forget to pack something and we have to choose very carefully what to bring!

A lot of science has to be packed into our little spacecraft, so mission planners have provided us with a checklist:

- Radio Telecommunications System
- Magnetometer
- Gamma Ray and Neutron Spectrometer
- Multispectral Imager
- Solar Panels
- Solar Electric Propulsion System
- Deep Space Optical Communication (DSOC)

WHAT TO PACK



HOW TO GET THERE



PART 1

LAUNCH!

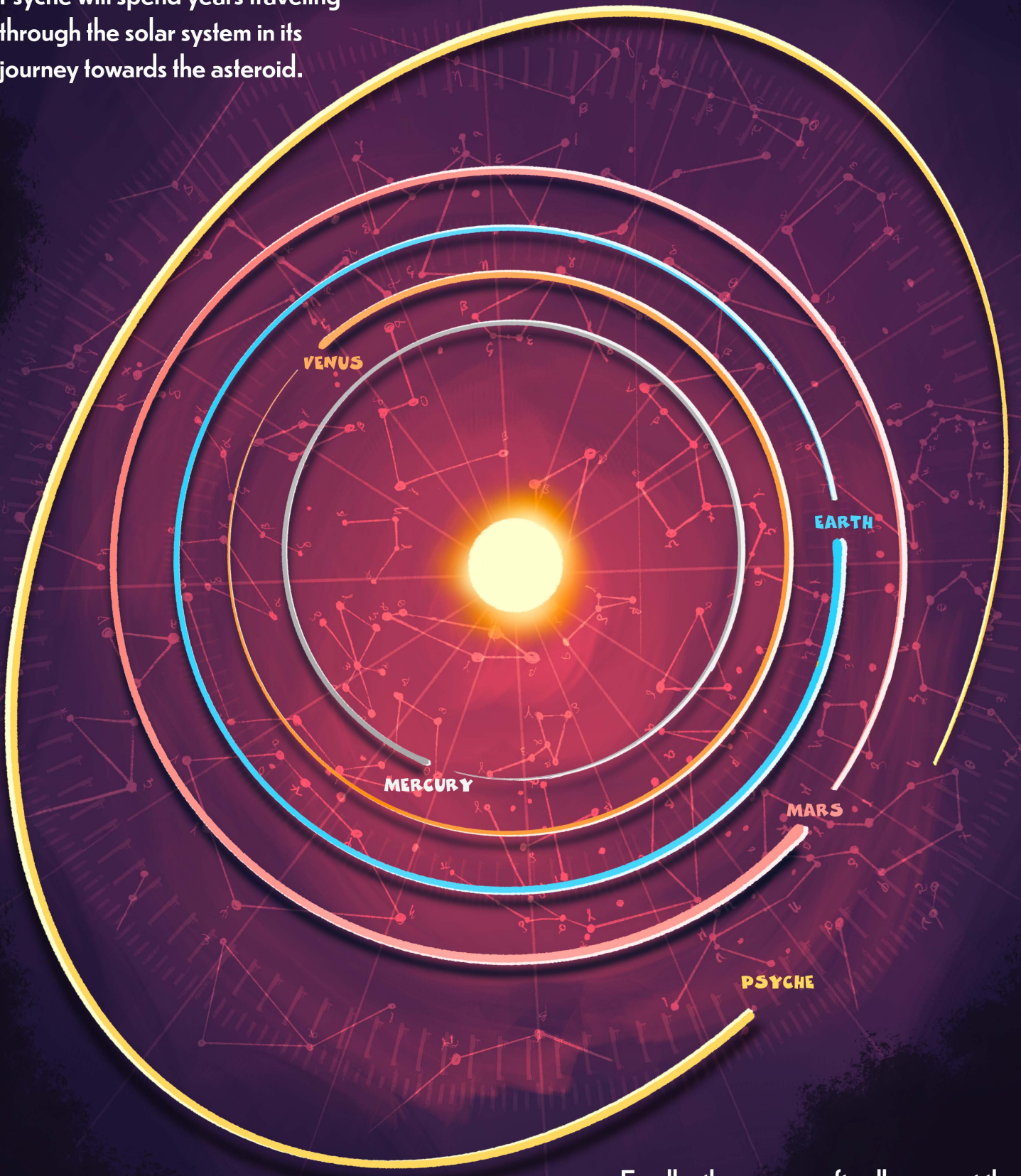
The Psyche spacecraft is planned to launch on one of SpaceX's Falcon Heavy rockets. Unlike plane trips, we can only take off within a very small amount of time and we can't exchange tickets!

The Psyche spacecraft is planned to launch from Cape Canaveral, Florida.

HOW TO GET THERE

PART 2

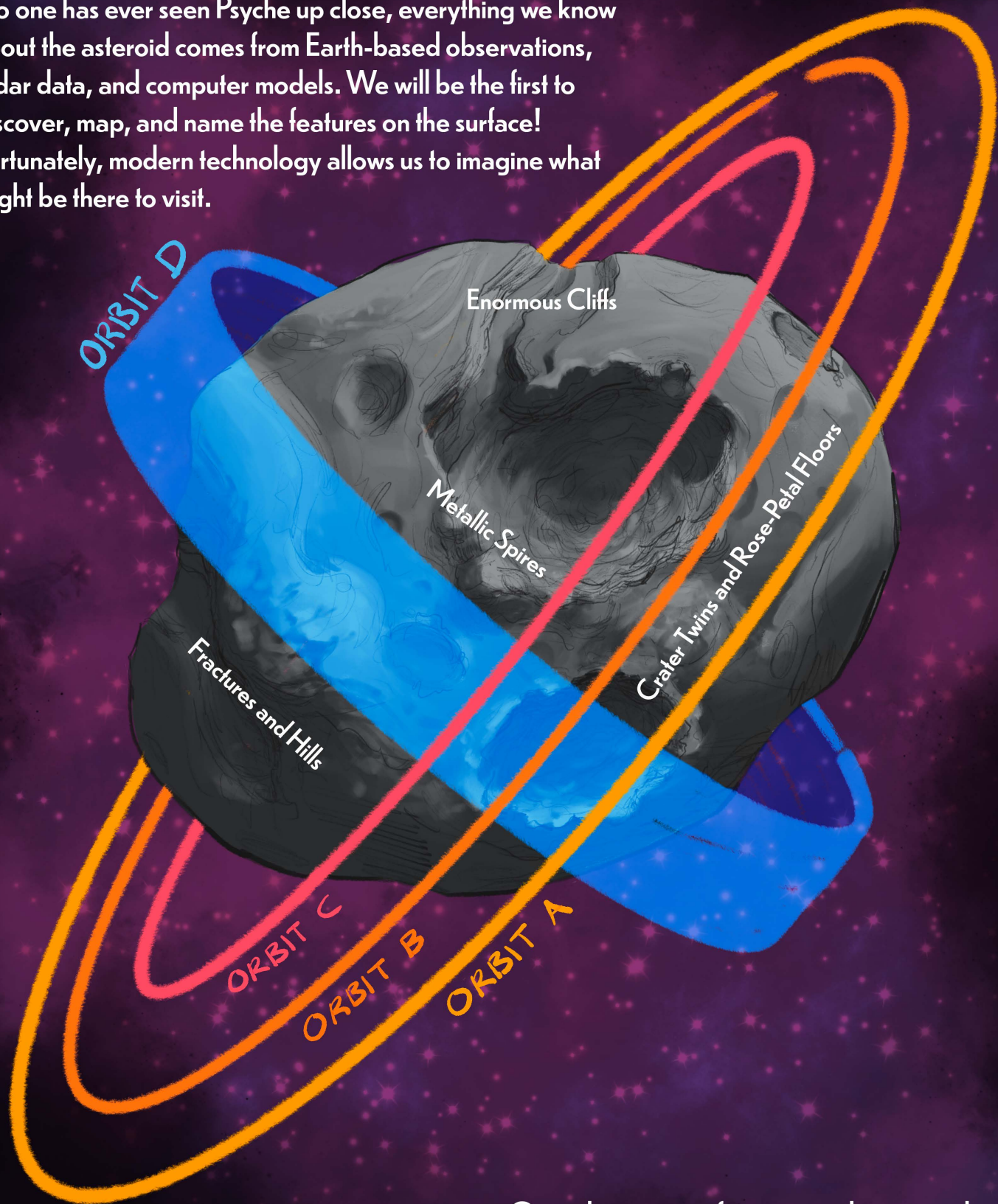
Psyche will spend years traveling through the solar system in its journey towards the asteroid.




Finally, the spacecraft will arrive at the Psyche asteroid and we can begin touring never before seen landmarks.

UNKNOWN LANDMARKS

No one has ever seen Psyche up close, everything we know about the asteroid comes from Earth-based observations, radar data, and computer models. We will be the first to discover, map, and name the features on the surface! Fortunately, modern technology allows us to imagine what might be there to visit.



Once the spacecraft arrives at the asteroid, plans call for it to perform science operations from four staging orbits, which become successively closer.



We will complete our
adventure by diving deep
into 16 Psyche's past.

A HAUNTING HISTORY

Although we have to wait until our trip is well underway to be sure, we believe that this asteroid is the remains of an interplanetary collision that occurred billions of years ago. Visiting the asteroid may be a haunting experience, to see exposed metal core material of an early world that wasn't meant to be...