



Get to Know...

Menna Moneim



Space Mining?

What if asteroid mining could solve Earth's resource crisis and pave the way for a new era of space exploration?

THE

Get to know



What is Space Mining?

Space mining is the hypothetical extraction of materials from asteroids and other minor planets, including near-Earth objects. It is a relatively new field, but there is growing interest in the potential of space mining to provide access to valuable resources that are in short supply on Earth.



WHAT COULD BE MINED FROM ASTEROIDS

- **Metals:** Asteroids are rich in metals such as iron, nickel, cobalt, platinum, palladium, and gold.
- **Water ice**
- **Rare Earth Elements**
- **Organic molecules:** Amino acids, Carboxylic acids, sugars & alcohols.

Potential BENEFITS

- 1 Access to new resources
- 2 Reduced reliance on Earth's resources
- 3 Economic growth
- 4 Scientific discovery



The background of the slide is a composite image of space. On the right, a large portion of the Earth is visible, showing blue oceans and white clouds. On the left, a smaller, grey, cratered celestial body, likely an asteroid or a moon, is shown. The overall scene is set against the blackness of space with some distant stars.

RISKS AND CHALLENGES

There are technical , cost , safety and Environmental challenges associated with space mining.



“

What

do you think?

could space mining be the future of
mining and will it ever be a reality?!

@Menna Moneim

”