

**1. What destination is popular according to the podcast?**

The destination that is immensely popular according to the podcast is Mars.

**2. What countries have sent successful missions to Mars?**

Only the United States, the Soviet Union, Europe, and India have actually had successful missions to the red planet.

**3. What's another name for Mars?**

Another name for Mars is "The Red Planet".

**4. What happens once every two years? How does that affect the space mission?**

Once every two years, the orbits of the Earth and Mars line up. This means that it's economically efficient to send a probe to Mars.

**5. Which countries mission are they talking about first? What's the name of that country's probe?**

They are talking about the UAE's mission first and the probe is called Hope.

**6. Why is the year 2021 special for the UAE?**

It's special because it is the 50<sup>th</sup> anniversary of its foundation.

**7. What does the UAE's probe look like?**

The probe is about the size of a small car and weighs about half a ton. It also has solar panels that look like wings.

**8. Afterwards, they talk about the Chinese probe. What does it consist of?**

The Chinese probe consists of an orbiter, a lander and a rover so it can orbit a planet, it can land on it and it can move across the surface.

**9. Finally, they talk about Nasa's probe. What its name and why did they call it that?**

The probe is called perseverance and the name came from a seventh-grade student in Virginia who won a NASA essay contest.

**10. Where is Perseverance going and what is it looking for?**

Perseverance is going to Jezero crater which scientists think was once a lake. It is looking for microorganisms or any other form of life.

**11. What is the man talking (Joe Palca) excited about?**

Mr. Joe Palca is excited about flying a helicopter or driving a remote-control rover on Mars.