1 Our solar system

different views (visible light & near-infrared radiation)

garvity to push the glass together (the reason why gas make together

 supernova star explode

gas cloud \_\_\_\_\_\_\_star plus planets(\_\_\_ conservation of angular momentum

the reason why gas become to the plant

interplanetary dust particle ( dust to make together)Micrometeorites微陨星

Planetesimal growth

The asteroid belt

meteor crater ex : Meteor crater . Mimas(moon of Saturn). Comet Shoemaker\_levy 9

We are very lucky

The moon does not have the air and water so that the moon will have the face we have seen today

Asteroids and comets the reason why the Ejected planet exist

* The chemical component of our universe
* The star’s strong radiation pushes away nearby
* Snow line

Find plants

Plant detection ;spectroscopy ex: sun

Venus Transit (凌日法发现行星)------down------- we can not see the plant

The planet with two suns :Kepler-16b

HL Tau Fomalhaut system (2004 2006 palnt\_\_\_ )

2950 known exoplanets plus 2337 need to be comfrim

size of the plants

The habitable zone the water is the firest thing to find (need suitable tem

The habitable plantes (tiaojian G)

We could live (plants moons nomads(maybe))

Big questions

1. How common are planets like the earth
2. Is there life in the universe
3. What would extraterrestrial life look like
4. Why haven’t we found extraterrestrial life yet?