

Major Q's in Solar System

A Few Outstanding Questions:

Some are fact-based:

- What does Pluto's surface look like?

Some are more complex:

- Is there life on Mars? Europa?

Some require modeling:

- What will Venus look like in next billion years? Io?

Some require major re-thinking:

- Where is SS in context of other systems? Is solar nebula model even right? A lot of Jovian planets form closer to their stars – why?)

A Few Major Q's in Solar System

Venus – How will it continue to evolve?

Earth – Why is it so perfect?

Mars – Where did Valles Marinaris come from?

Jupiter – Great red spot – Why, how long, is it really a hurricane, surface feature, etc?

Europa – What causes its strange ridge patterns? Will it be liquid ocean again?

Saturn – How long will the rings last for? Is it just a temporary phase?

Titan – Oceans?

Uranus – Why is it tilted on its side?

Neptune – What causes its 'ring arcs' – blobby rings that don't spread out

Pluto – Planet? Is it just the largest of a big population of bodies? What's on its surface – volcanoes?

Are we alone (Earth-like planets? Life? Intelligence?)