

NOTE PROMPTS FOR COSMOS – EPISODE IV: *Heaven and Hell* Catastrophe!

1. An event which is improbable in 100 years might be...

2. The 1908 Tunguska Event. Explorer L. A. Kulick expected to find...

For more than 20 km in every direction...

Speculation on what happened at Tunguska

Most likely explanation:

Why no crater?

3. Hall of Comet Art. (Free-form notes.)

**If you think comet-induced insanity is a thing of the past, research the "Heaven's Gate" UFO cult.*

4. How might some long-period comets become short-period comets?

**in 1996, Comet Hyakatake's period became significantly longer by means of this process.*

5. In interplanetary space there are more (small objects / large objects)

How many Earth's could fit into Jupiter? Approximately 10^x where $x =$

6. What might have been witnessed by a group of monks in the summer of 1178 at Canterbury Cathedral?

What do the lunar laser observations suggest?

7. Velikovsky's planetary theory for Venus

__ appears to match reliable historical observations

__ appears to be based on sound planetary mechanics

__ is not supported by scientific evidence or models

What was the problem relating to the *treatment* of the Velikovsky model?

8. Venus notes:

Atmosphere:

Surface atmospheric pressure and temperature:

9. The Soviet Union's *Venera* spacecraft achieved what space exploration first? (Do not include any reference to Venus in your response.)

10. Earth environment notes. Sagan sees humans more as

__ excellent caretakers of the planet mindful that we have only one planet to sustain life.

__ careless plunderers of natural resources, transforming the healthy atmosphere to a life-choking concoction.

Other notes:

1990 Update notes: