

Article-Based Observation, Q

Directions: Read the article "[Kuiper belt dust may be sprinkled in our atmosphere](#)" and answer the questions below.

- 1. Based on the text of the article, where is the Kuiper Belt? Can you infer any additional information about the Kuiper Belt's location from the image that accompanies the article?**
- 2. What evidence from the Kuiper Belt do scientists think they have found here at Earth?**
- 3. How do scientists try to determine the original home of a dust grain from space?**
- 4. What other object from space did scientists use in the study? What data were known that made the object useful and why?**
- 5. Name at least two scientific tools mentioned in the article and explain what they were used for.**
- 6. Why do the scientists' measurements of the rate at which dust grains pick up tracks differ from previous measurements? How do the old and new rate compare?**
- 7. Name one large and one small measurement given in the article. Explain what these are measurements of, and why they are so different in scale.**
- 8. Why do you think this article has the label "RETHINK"?**