

Tips:

● Earth and Space Science Icons

The stories in this *Imagine That!* book are all images of Earth and Space Science. You will find examples of atmosphere, biosphere, celestial objects, cryosphere, geosphere, hydrosphere, and the solar system. Subjects include planets, landforms, weather, and more. The principles in these stories align with many state science curriculum standards. Look for the icons near the title of each story to see which principle it demonstrates best. Some stories are examples of several different principles, but we have chosen to use the icon that best fits the main idea of the story.



Atmosphere



Geosphere



Atmosphere/
Biosphere



Geosphere/
Biosphere



Celestial Objects



Hydrosphere



Cryosphere



Solar System

● Story Arrangement

Although all the stories in this volume are written at a sixth- to eighth-grade *decoding* level, the goal is to improve *comprehension*. Therefore, you may wish to read the stories with or to students struggling with decoding at these levels. The story content is appropriate for middle school. Within each section, stories have been sequentially ordered to increase in conceptual difficulty.

From what you pictured...

1. Why do you think there are so many man-made satellites circling Earth?
2. Why do you think some satellites harness the Sun's energy?
3. What do you think would happen if a satellite's antenna broke off?
4. Why do you think it looks like some satellites aren't moving at all?
5. Why do you think a satellite might stop working?
6. Why do you think some people worry that more crashes may occur?
7. Do you think a satellite junk collision is very likely? Why or why not?
8. Do you think there are man-made satellites circling other planets? Why or why not?

