GOES-R

The Function and Importance of the GOES-R Instruments

In this activity you will be exploring the GOES-R satellite and its capabilities.

Activity 2

Please write your answers on a separate piece of paper.

Activity 2.1 Importance of the GOES-R Instruments

Watch the videos, Watchful Eyes: The Role of Geostationary Weather Satellites and NASA | ABI: The Future of Weather Monitoring, to help complete the following:

1. When was the first weather satellite launched? What type of orbit did it have?
2. ABI is an acronym for what device?
3. Describe the importance of ABI.
4. Complete the GOES-R Instrument Chart*.
5. Infer and explain why it is important for a satellite to do multiple tasks.

More Information:
*Use these resources and the videos to help you complete the GOES-R Instrument Chart.
GOES-R Trifold Brochure
GOES-R Poster Back

Activity 2.2 GOES-R and Tornadoes

Watch the video, Tornadoes with Tim Samaras and read the article: Next-Gen Weather Satellites to Improve Tornado Warnings to help complete the following:

1. What information was Tim Samaras trying to collect from tornadoes?
2. Describe how satellites aided Mr. Samaras in his search for tornadoes.
3. Explain how GOES-R may help in the early detection of tornadoes.

Optional Video:

Tim Samaras's Last Storm Videos