# Guiding Questions:

### Article 1: "Sickening Solar Flares"

a) What is a coronal mass ejection?
b) Why are we safe on Earth?
c) What are the dangers on the Moon?
d) Why is a space weather forecast important?

### Article 2: "Scientists One Step Closer to Forecasting 'Clear Skies' for Astronauts"

a) What is a solar flare?
b) How do scientists make these complex predictions?

### Article 3: "The Phantom Torso"

a) What are the dangers of radiation from the Sun? What caused the storm to accelerate so quickly?
b) How is the Phantom Torso used to determine how we can keep our astronauts safe?

### Article 4: "The Biggest Explosions in the Solar System"

a) Why do astronauts run for cover when a solar flare explodes from the Sun?
b) Is it possible to predict when a solar flare will occur?
c) How has technology made space weather predicting better?

### Article 5: "Solar Storm Sweeps Past Planets, Satellites"

a) What have we learned about our Sun through satellite data?
b) What are the most important facts we have learned that should be considered as we plan for space exploration?

### Article 6: "Long Range Solar Forecast"

a) What does the theory of observation tell scientist about the 25th solar cycle?
b) What will the 24th cycle be like?