



## Weekly Discussion Questions 1/13/2025

[Achenbach, Joel. "A Rare Look at NASA's Next Sharp-Eyed Space Telescope." \*The Spokesman-Review\*, 13 Jan. 2025, p. A8](#)

### Classroom Discussion Question Grades 9-12

#### **Technological Innovation in Space Exploration**

The Nancy Grace Roman Space Telescope is being constructed with features like a wide-field camera and a coronagraph, enabling it to study phenomena like dark energy and exoplanets.

- What do you think are the most critical technological advancements in modern telescopes, and how do they contribute to our understanding of the universe?
- Discuss the potential impact of these discoveries on humanity's future.

#### **The Role of Women in Science**

The Roman Telescope honors Nancy Grace Roman, NASA's first chief of astronomy, who faced challenges as a woman in science.

- How has the recognition of pioneers like Roman shaped the opportunities for women in STEM fields today?
- What steps can society take to further promote inclusivity and diversity in science and technology?

#### **Global Cooperation in Astronomy**

The article discusses international efforts in astronomy, such as the Extremely Large Telescope being built in Chile by the European Southern Observatory.

- How do global collaborations in projects like these benefit scientific progress?
- What challenges might arise from these international partnerships, and how could they be addressed?

### Classroom Discussion Question Grades 6-8

#### **Technological Innovation in Space Exploration**

The Nancy Grace Roman Space Telescope has special tools like a wide-field camera and a coronagraph to study dark energy and planets around distant stars.

- What do you think are the most important inventions in modern telescopes, and how do they help us learn about space?
- How might these new discoveries change life for people in the future?

### **The Role of Women in Science**

The Roman Telescope is named after Nancy Grace Roman, a scientist who worked hard to overcome challenges as a woman in her field.

- How does recognizing someone like Nancy Grace Roman inspire more women to become scientists?
- What can we do to make sure science and technology include people from all backgrounds?

### **Global Cooperation in Astronomy**

Countries around the world are working together on big astronomy projects, like building the Extremely Large Telescope in Chile.

- How does working together with other countries help scientists make better discoveries?
- What problems might happen when countries work on space projects together, and how can they solve them?

## **Classroom Discussion Question Grades 1-5**

### **Technological Innovation in Space Exploration**

The Nancy Grace Roman Space Telescope is being built with special tools to learn about faraway planets and dark energy.

- What cool tools do you think telescopes need to help us learn more about space?
- How might learning new things about space help people in the future?

### **The Role of Women in Science**

The Roman Telescope is named after Nancy Grace Roman, who worked hard to become a scientist when it was difficult for women.

- Why do you think it's important to celebrate people like Nancy Grace Roman?
- How can we make sure everyone gets a chance to become a scientist?

### **Global Cooperation in Astronomy**

People from different countries are working together to build huge telescopes to learn more about space.

- Why is it a good idea for countries to work together on space projects?
- What problems might happen when people from different places work together, and how can they fix them?