

Search for Origins Worksheet

1. What will the Space Infrared Telescope Facility study?

2. What do the early stages of star formation look like?

3. Describe what the Eagle Nebula looks like in infrared light.

How does it look in visible light?

4. Gas and dust disks that surround newborn stars may form _____.

5. What is the energy process that makes a star shine? How do stars differ?

6. Describe three characteristics of a brown dwarf.

7. Why should we study brown dwarfs?

8. The dying star in NGC 2440 has a temperature of _____.
9. What are the two ways that stars end their lives?
10. What happens to stellar material after the star dies?
11. What is a white dwarf?
12. When and how was the Crab Nebula formed?
13. How does the Space Infrared Telescope Facility (now called the Spitzer Space Telescope) help us see beyond the thick clouds of dust in areas of star formation?
14. Can you think of how infrared technology is used to see objects on Earth that couldn't be seen otherwise?