



Looking Back in Time—Through Space

1. This image shows a star being born. What does it look like to you? Explain in detail.

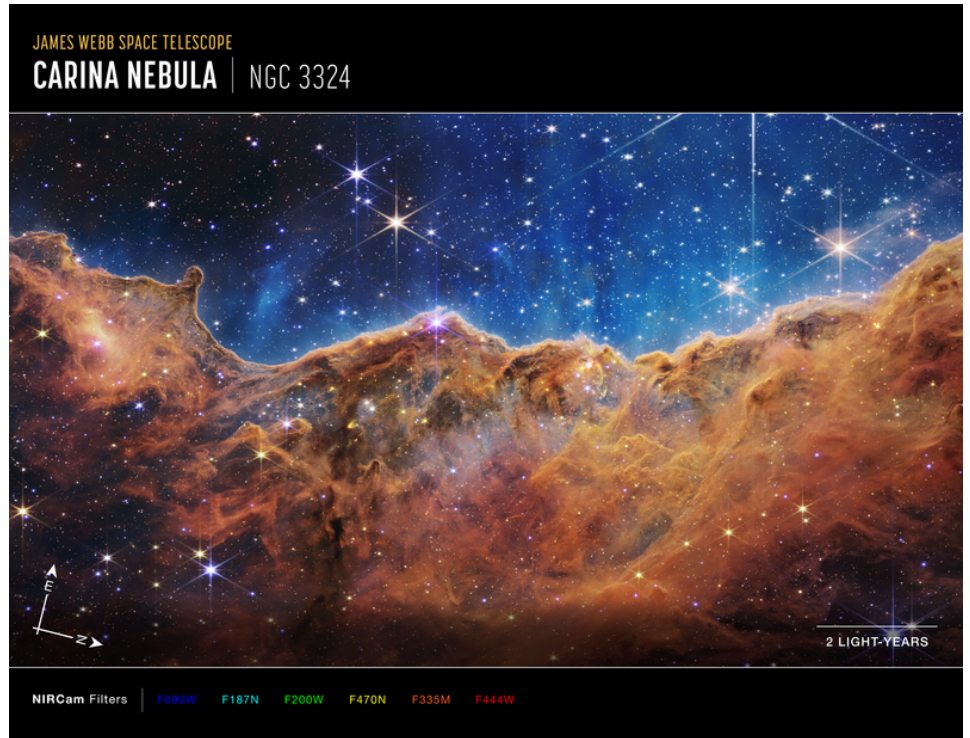


IMAGE: NASA, ESA, CSA, STScI

There was a lot of tricky vocabulary in today's *Shortcut!* **Match** the word to its definition, then **draw** a picture that illustrates it (and will help you remember!)

astronomer

the curved path an object travels around a star, planet, or moon,

exoplanet

the envelope of gases surrounding a planet

atmosphere

a planet outside our Solar System

biosignature

someone who studies the physical universe

orbit

any feature that provides evidence of life

3. NASA's James Webb deep space telescope is named after a man who ran the space agency in the 1960s. But a group of astronomers is petitioning NASA to change its name to honour Harriet Tubman. Read about each person, then write about whom you would choose, and why.



Harriet Tubman was born into slavery in 1822. She escaped, only to return to danger at least 13 times to help other slaves escape. During the American Civil War—when the slave-holding South was fighting the North—Tubman was a spy for the North (which wanted to ban slavery for the whole country). After the war, she fought for women's right to vote. During her time helping slaves escape north, she used the stars in the night sky to navigate towards freedom.



James Webb led NASA from 1961 to 1968, during America's space race with the Soviet Union (a group of countries led by Russia). The US was considered to be the winner of the race, when it landed men on the moon in 1969. Before NASA, Webb worked at the US State Department. This was at a time when the USA was firing people whose lifestyle or political beliefs the government thought was a threat during the Cold War. (The US government has since apologised.) Experts disagree on how involved Webb was in these firings.

I think the deep space telescope should be named to honour
