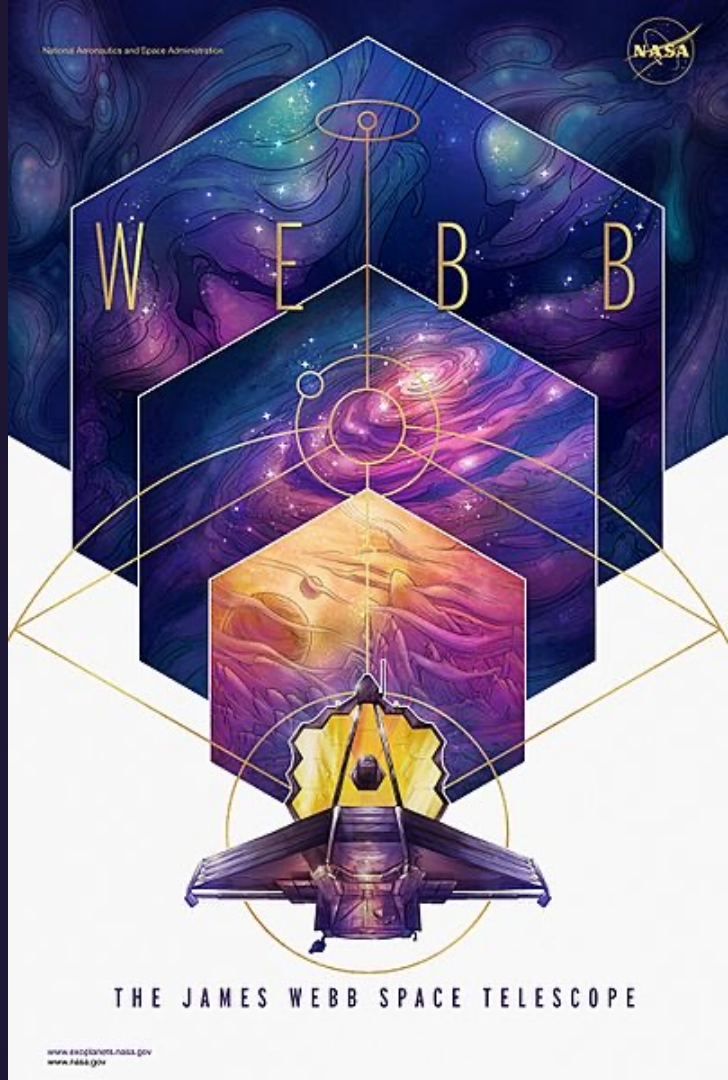
The James Webb Telescope

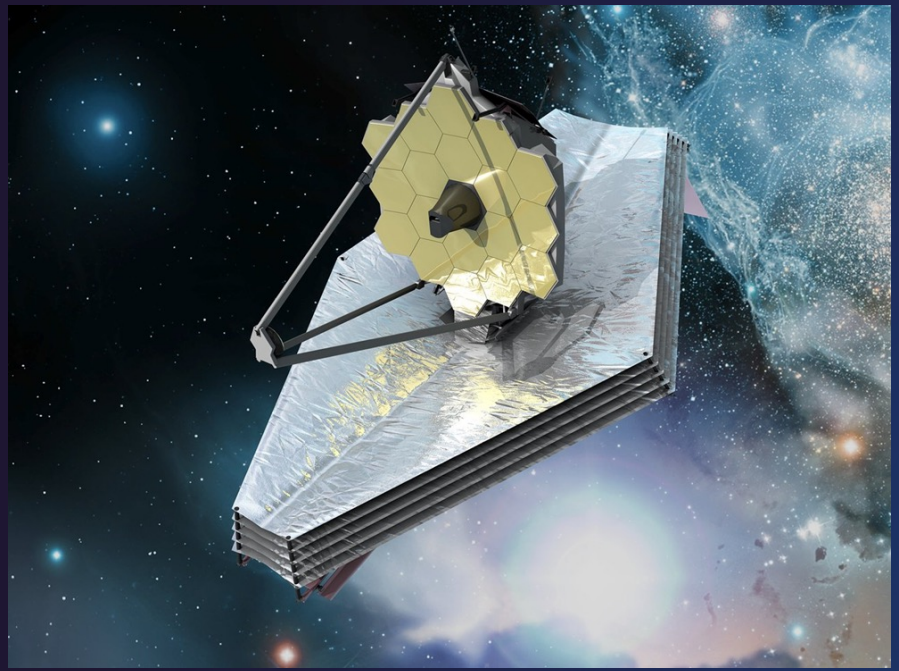
What is the James Webb Telescope?

- James Webb Space Telescope (JWST) is a telescope that was launched into space on 25 December 2021.
- It is a replacement for the Hubble Space Telescope which was launched in 1990.
- The telescope is named after James E. Webb, who was one of the bosses at NASA and created the Apollo program that put astronauts on the moon.



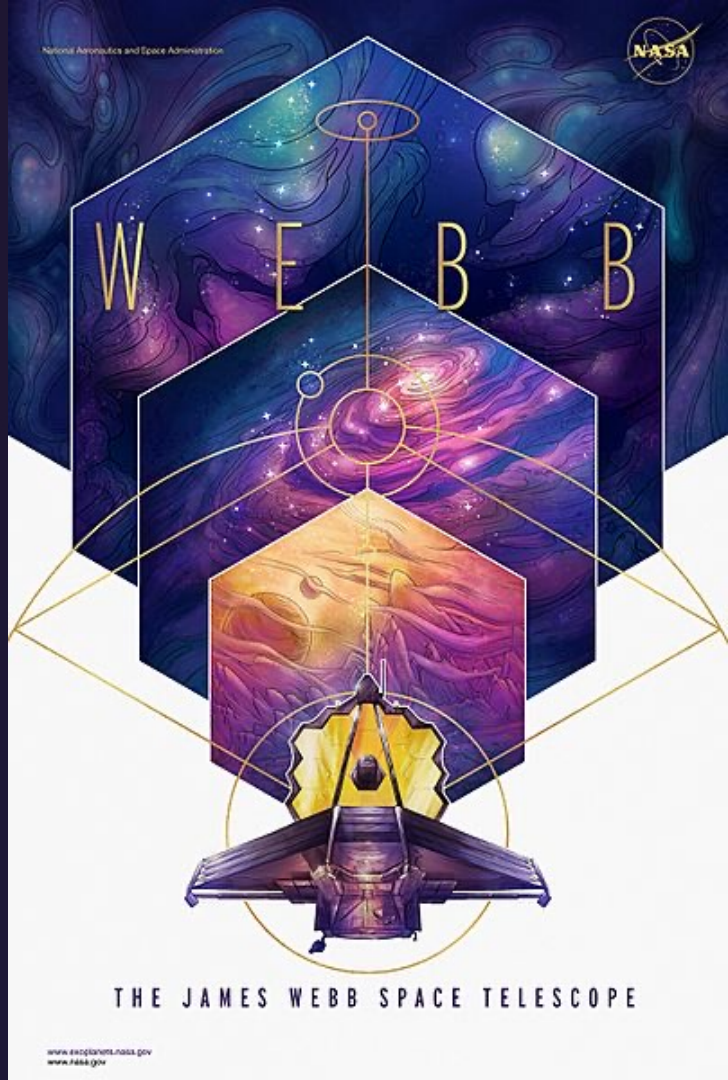
Spot the Difference



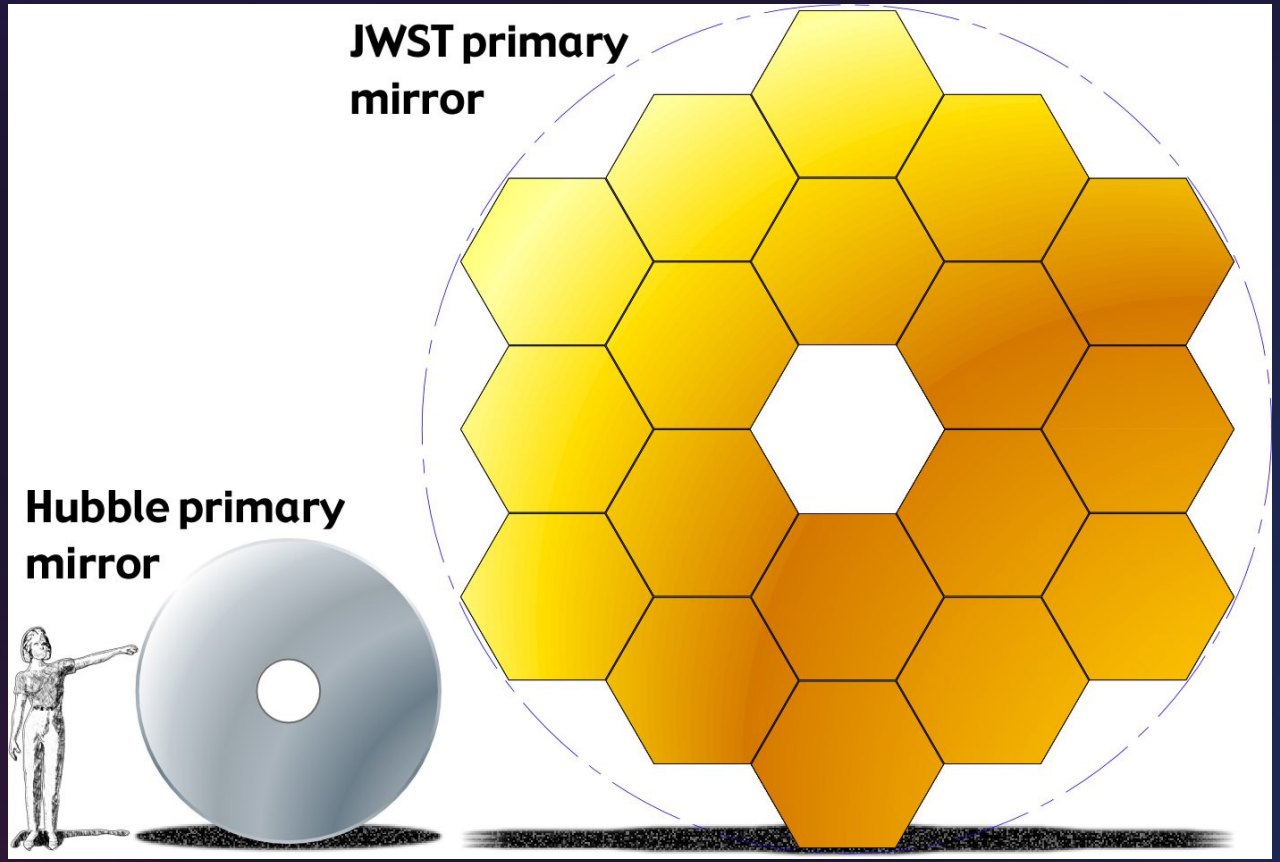


What is the James Webb Telescope?

- NASA's James Webb Space Telescope is AMAZING.
- It is the largest and most complicated space telescope **ever built.**
- It will be able to gather light that has been traveling for 13.5 **billion** years, almost since the beginning of the universe.
- In effect, Webb is a **time machine,** allowing us to peer at the first galaxies to form after the Big Bang.

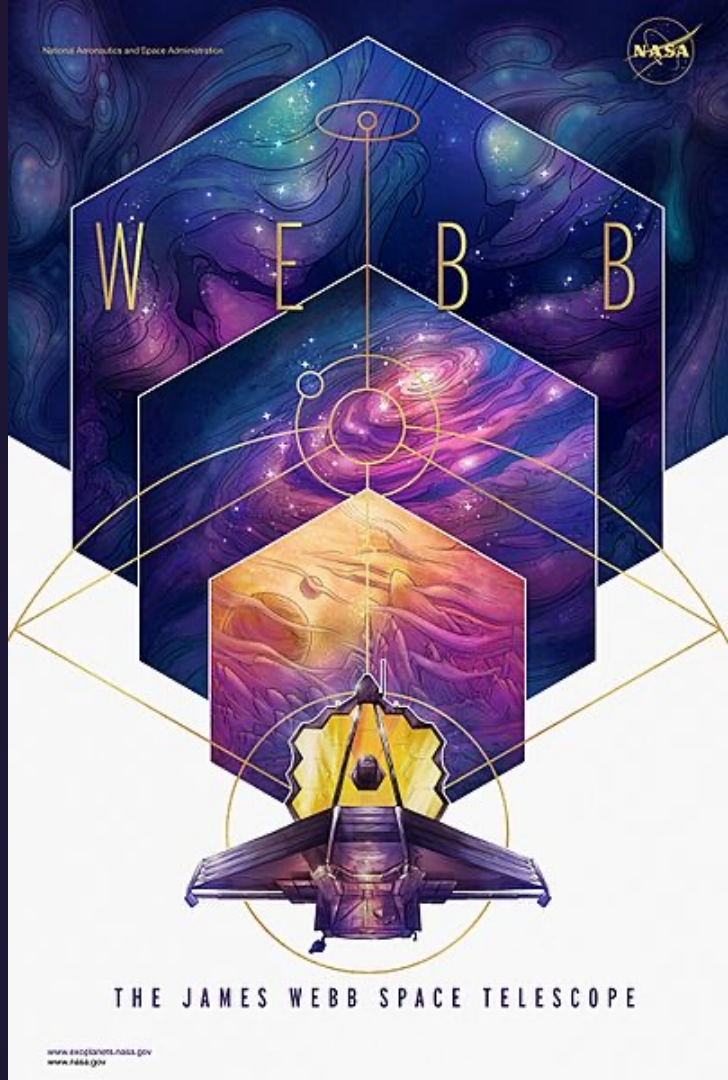


Compare These Mirrors



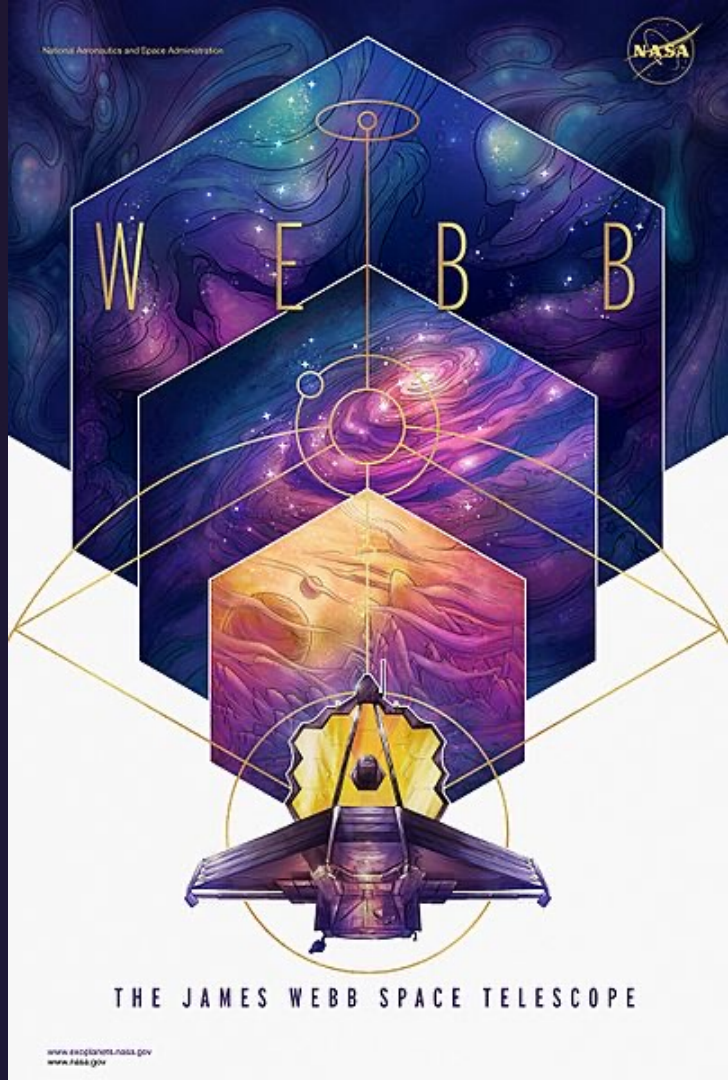
What is the James Webb Telescope?

- It will have a main mirror that is 6.5 metres (21 feet) wide.
- It is so large it is made in 18 pieces that fold together during the launch, so that it can fit into a rocket.
- It will be able to see things that the Hubble Space Telescope cannot.



What is the James Webb Telescope?

- Webb will help us understand how galaxies grow over billions of years into big spirals, like our own Milky Way,
- It will search for signs of life on distant planets
- And it will look into the hearts of dusty star nurseries!



Blast Off!

What happens during a launch?

