

From the Gemini  
South telescope  
in Chile,  
International  
Gemini  
Observatory.  
2,500 - 3,800  
light-years away  
in the  
constellation  
Scorpius.

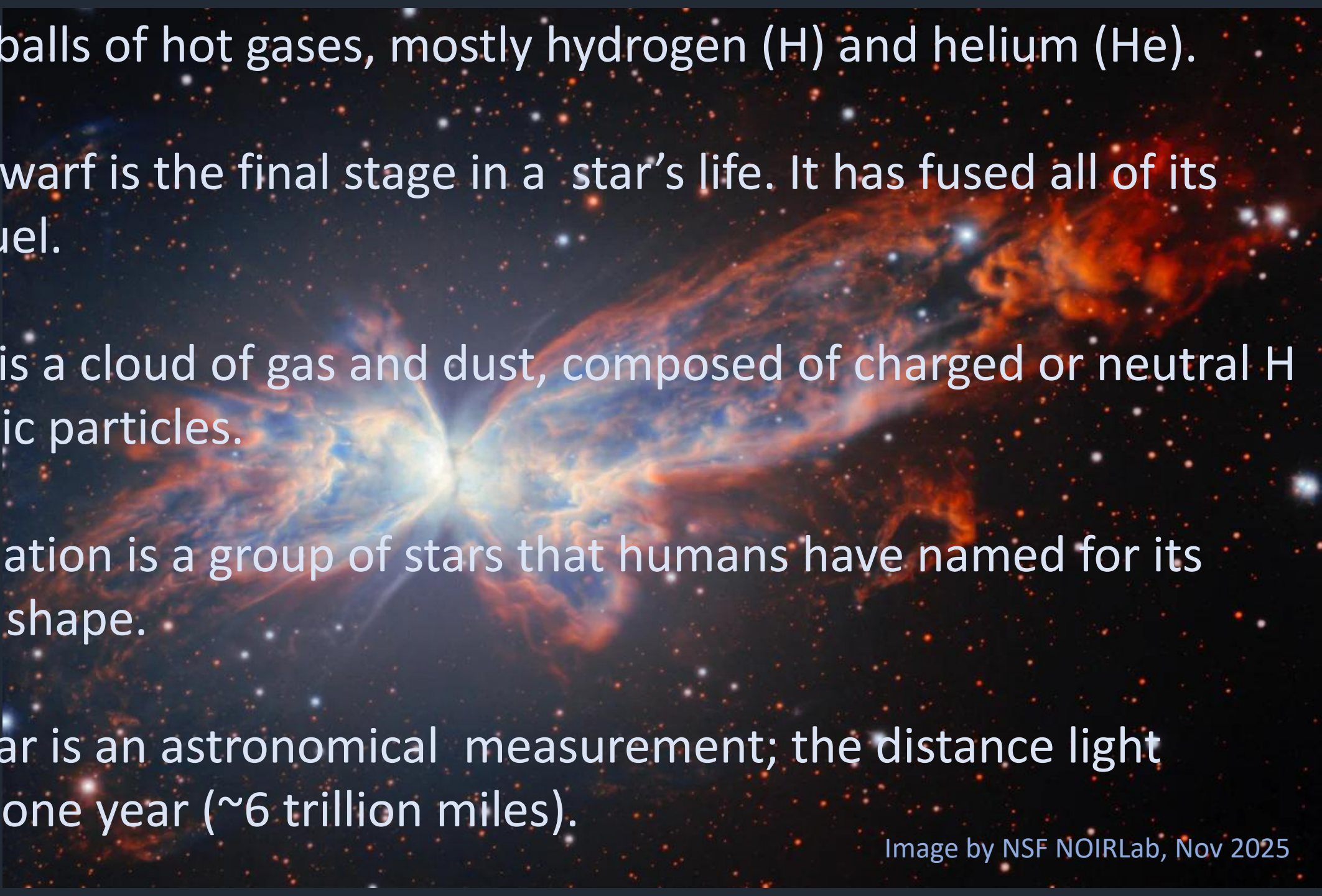
A white dwarf  
star is at the  
center of this  
“Butterfly”  
nebula.



Image by NSF NOIRLab, Nov 2025

1. Of what are stars made?
  2. What is a white dwarf?
  3. What is a nebula?
  4. What is a constellation?
  5. What is a light year?
- Answer what you can!***



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- A vibrant nebula with blue and orange filaments against a starry background. The nebula has a bright central region with a yellowish-white glow, from which blue and orange filaments extend outwards. The background is dark with many small, distant stars.
1. Stars are balls of hot gases, mostly hydrogen (H) and helium (He).
  2. A white dwarf is the final stage in a star's life. It has fused all of its nuclear fuel.
  3. A nebula is a cloud of gas and dust, composed of charged or neutral H and cosmic particles.
  4. A constellation is a group of stars that humans have named for its imagined shape.
  5. A light year is an astronomical measurement; the distance light travels in one year (~6 trillion miles).