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.

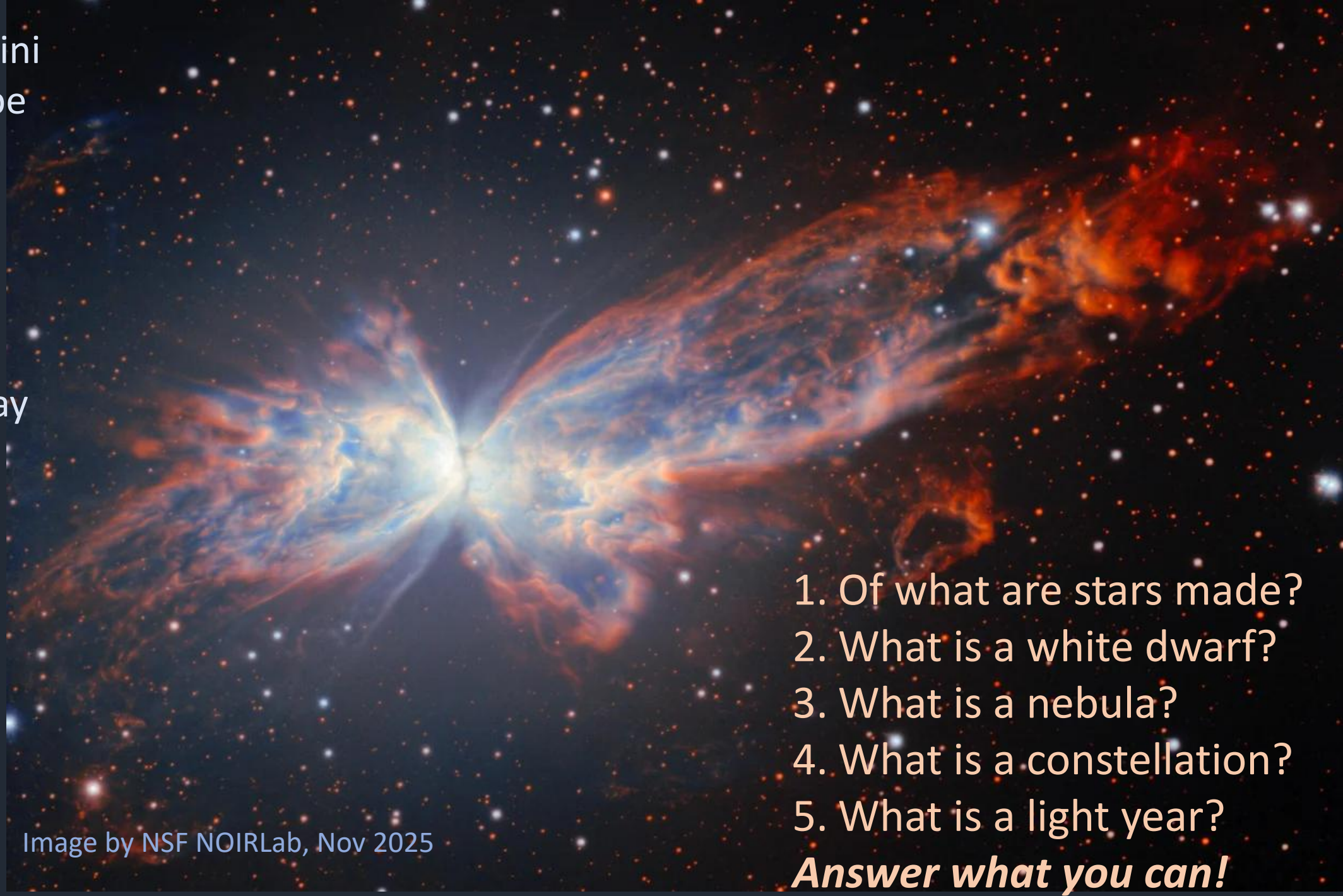

Image by NSF NOIRLab, Nov 2025

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!

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).

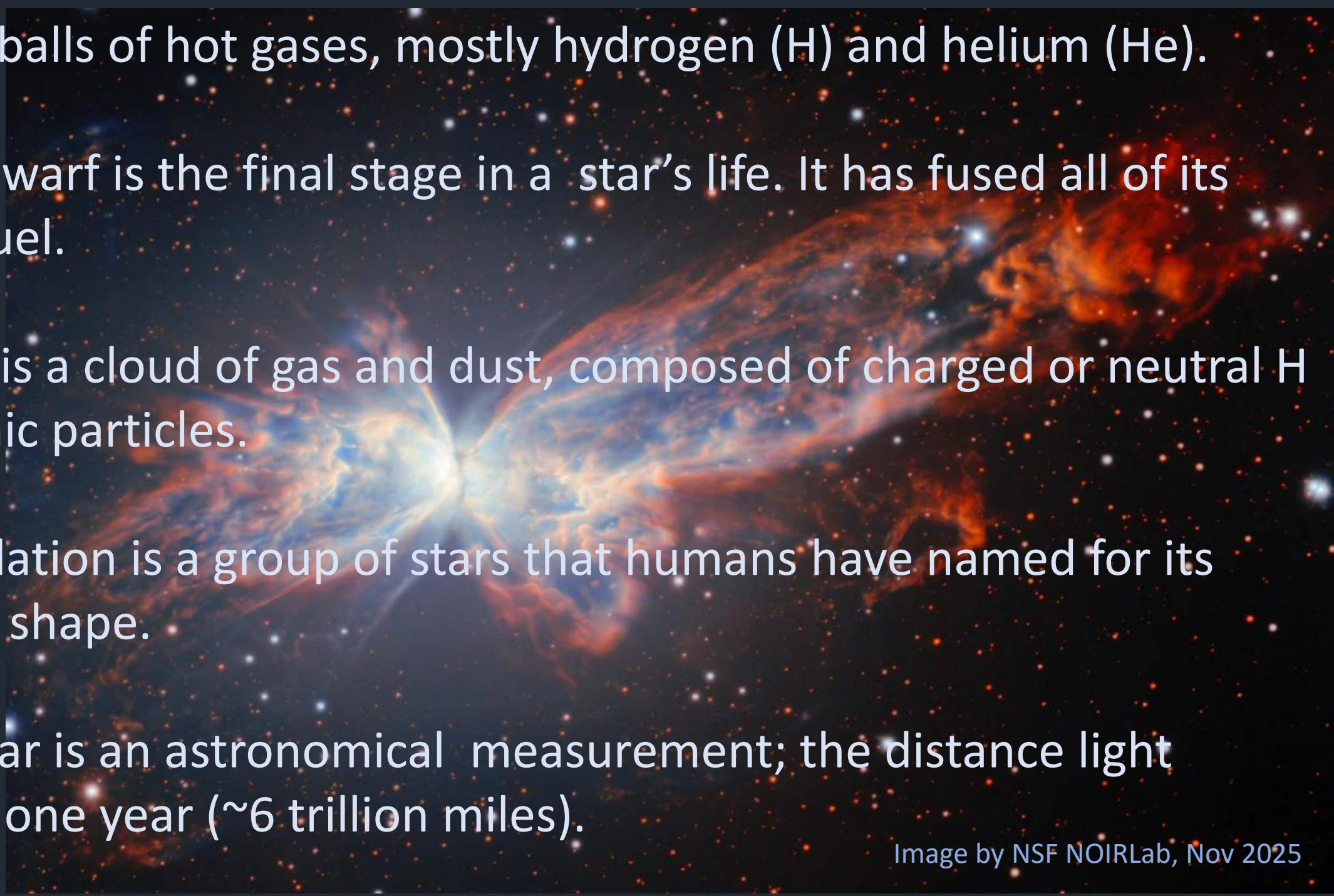

Image by NSF NOIRLab, Nov 2025