Topic:
Aim:

Modern Astronomy

1 _____

huge mass of dust and hydrogen gas in space

gravity pulls dust and gas together and starts to glow

2 _____

glowing cloud that will soon become a star

Nuclear fusion

hydrogen fuses to form helium and gives off energy.

3 _____

stable state of a star that exists for most of the star's life

star burns just about all of its hydrogen.

4 _____

forms when a star expands 100 times larger and cools

a star much more massive than our Sun

b

a
a star like our Sun
(medium-sized or smaller)

5 _____

an explosion that is the brightest event known to occur in space

a
medium – large

b
very massive

6a _____

very dense remains of a star after it explodes

6b _____

an area in space where gravity is so strong that light can't even escape

5 _____

a giant star sheds outer layers and shrinks to a hot, dense, planet-sized object which eventually burns out (becomes a black dwarf)