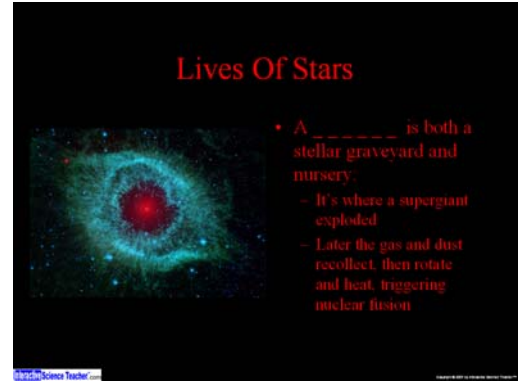


Notes-Lives Of Stars

The lifecycle of stars from beginning to end is covered in this set of notes. The information is kept to a minimum, so there's room for you to add to it with more words or pictures. Follow the directions in the notes section.



Lives Of Stars

1. Have students copy the points shown. Feel free to change anything.

We'll start where the star life cycle both begins and ends.

•A _____ is both a stellar graveyard and nursery:

-It's where a supergiant exploded

-Later the gas and dust recollect, then rotate and heat, triggering nuclear fusion

(ans.-nebula)

2. You can get this as a PowerPoint (see last page).



Lives Of Stars

2. The beginning of the end of star lives.

•The bigger the star, the _____ its life

•And when they run out of fuel all stars will naturally swell, causing them to redden

(ans.-shorter)

3. What this looks like on PowerPoint if you add a picture from the Astronomy Picture Of The Day.



Lives Of Stars

4. What happens next depends on what size the star was originally.

•When the fuel is gone:

–A small or medium sized star, like our sun, will then shrivel up and become a _____, finally fizzling into a _____

(ans.- white dwarf, black dwarf)

Lives Of Stars

–A giant or supergiant will explode leaving only a _____


•astronomers believe that some supernovae are so big they can create a _____, though we still have no proof of them

(ans.- neutron star, black hole)

Come back and visit InteractiveScienceTeacher.com to upgrade this lesson with:

PowerPoint- lead your students through the lesson click-by-click
-includes links to images you can insert

Lives Of Stars



- A _____ is both a stellar graveyard and nursery
 - It's where a supergiant exploded
 - Later the gas and dust recollect, then rotate and heat, triggering nuclear fusion

Lives Of Stars



- The bigger the star, the _____ its life
- And when they run out of fuel all stars will naturally swell, causing them to redden