

LVN SAH

Notes 15-3 Lives of Stars pgs. 608-613

1. All stars start as parts of _____.
2. A nebula is a large cloud of _____ and _____. _____ pulls gas and dust together. It starts to _____ up.
3. A _____ is formed.
4. A star is truly born when _____ starts. This is the process by which _____ combine. A lot of _____ is released. Hydrogen (H) forms into helium (_____).
5. The lifetime of a star depends on _____.
6. _____ stars live longer than _____ stars. Small live about _____ billion years. Medium live about _____ billion years. The sun is about _____ through its life. Large live about 15 _____ years.
7. When a star is dying, the _____ shrinks and _____ portions expand.
8. Helium fuses, creating _____ elements.
9. Most stars become _____ or _____.
10. After a star runs out of fuel, it becomes either a _____, _____, or a _____.
11. Small and medium stars become _____. The outer parts drift into space and form new _____.
12. The blue core is left behind. It cools and becomes a _____. They are about the _____ of Earth but the _____ of the Sun. They still _____.
13. Large stars become _____. The explosion is called a _____. Parts left over can form _____ and then new _____.
14. Some material may form a _____. They are smaller than white dwarfs. _____ are rapidly spinning neutron stars.
15. _____ are formed when the biggest stars die. _____ is so strong that nothing can escape, not even _____.

Future Food 1-9

Fast Crops for Faster Food

1. What is hydroponics?
2. Nutrients are _____ in water for the roots to absorb.
3. Which plants work best in the NFT system?
4. Tomatoes and peppers are grown in the _____ system.
5. What grows well with Drip and Ebb and Flow systems?
6. Seeds are put in _____ instead of soil.
7. Light and temperature can be _____. Plants absorb _____ as needed.
8. Hydroponic plants are 25% _____ and are ready 30% _____.
9. Hydroponic plants can be grown in bad climates and need _____ space.
10. However - plants with spreading roots or _____ roots need too much space.
11. How is aeroponics different from hydroponics?
12. Nutrient water can be _____. Water waste is reduced by _____%.
13. Aeroponic systems can be stacked _____. This increases the number of plants and reduces infection.
14. NASA has been studying aeroponics since _____ and is hoping to grow _____ in space.