

1. The Milky Way galaxy is about _____ billion years old.
2. A galaxy is a _____?
3. What was Edwin Hubble's great discovery in 1924?
4. Galaxy M87 is an _____ galaxy.
5. The Andromeda galaxy is over _____ light years across.
6. How did the messy early galaxies transform into beautiful spirals and pinwheels?
7. What do galaxies have in common?
8. Stars in the center of the Milky Way galaxy move at _____ MPH.
9. The Earth is over _____ away from the center of our galaxy.
10. Why don't galaxies fly apart?
11. Dark Matter, weight for weight, makes up _____ times as much of the universe as does _____.

Video Lab - How the Universe Works: Galaxies

12. Dark Matter can bend light in a process called _____.

13. Galaxies live in groups called _____.

14. The _____ and the _____ are the largest galaxies in our local group.

15. The Apache Point observatory in New Mexico is the home to the _____.

16. _____ binds galaxies to clusters and clusters to _____.

17. What happens when galaxies collide?

18. _____ pushes galaxies apart.

19. Dark Energy is made of _____.

20. We live in the _____ zone of our galaxy.