**Galaxies – BrainPop**

1. Stars gather together with dust, gas, and other things in cluster called **\_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
2. Galaxies can contain anywhere from **\_\_\_\_\_\_\_\_\_** million to 1 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** stars.
3. There are probably more than 100 **\_\_\_\_\_\_\_\_\_\_\_\_\_** galaxies in the visible universe.
4. In a galaxy, 10% of all the things in a galaxy are made up of stars, dust, and gas; the rest of the galaxy is made up of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
5. Galaxies fall into three main categories, based on their **\_\_\_\_\_\_\_\_\_\_\_\_\_**
6. First are Irregular galaxies that have **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** shapes.
7. Irregular galaxies are made up of **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** stars along with lots of gas and dust.
8. Second are **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_l** galaxies that have shapes like a discs or pinwheels.
9. Spiral galaxies usually contain **\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_** stars and a moderate amount of gas and dust.
10. Our galaxy called the **\_\_\_\_\_\_\_\_\_\_ -\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is considered a spiral galaxy.
11. The Thirds type is called an **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** galaxy that can be shaped like anything from round to flattened spheres.
12. Elliptical galaxies contain **\_\_\_\_\_\_\_\_\_\_\_\_\_**stars and not very much gas or dust.
13. **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** is what keeps galaxies together and sometimes causes them to crash into each other.
14. **\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_** are extremely dense and have a huge gravitational pull, and are believed to exist at the center of most, if not all, galaxies.
15. A black hole can happen when a star **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_,** or when lots of matter and energy collect in one spot, like in the middle of a galaxy.
16. Galaxies are speeding **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** from each other.
17. Scientists think the universe was created about 14 **\_\_\_\_\_\_\_\_\_\_\_\_\_\_** years ago in a massive explosion called the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_**.
18. The energy from the explosion was so great, that it is still **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** everything in the universe away from everything else.
19. We can tell which way a galaxy is moving by the **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** Shift.
20. In the Doppler Shift, as an object moves toward or away from something, the wavelength color appears to **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**
21. Objects moving toward Earth, the wavelength of light gets shorter, and emits a **\_\_\_\_\_\_\_\_\_\_\_\_\_** light, called Blue Shift.
22. Objects moving away from Earth, the wavelength of light gets longer, and emits a **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** light, call Red Shift.
23. Distant galaxies seem to show a red color, which means they are **\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** or moving away.