



#33 - Black Holes

1. If a dying star's core is less than 1.4 times the mass of the Sun, it becomes _____
2. If a dying star's core is between 1.4 and 2.8 times the Sun's mass, it becomes _____
3. If a dying star's core is more than 2.8 times the Sun's mass, it becomes _____
4. For Earth, the escape velocity is about _____
5. A neutron star, with its immense gravity, can have an escape velocity that's up to _____
6. Nothing can escape, not even light, once the core of a neutron star shrinks down to _____
7. The surface around a black hole, where the escape velocity is the speed of light, is called _____
8. To become a black hole, the original star must have a mass of _____
9. If you could turn the Sun into a black hole, then the Earth would _____
10. Black holes with masses ranging from about 3 to a few dozen solar masses are called _____
11. The black hole at the center of our own Milky Way galaxy has a mass of _____
12. The vertical stretching of an object, as it falls into a black hole, is called _____
13. What we perceive as gravity is really just _____
14. Due to gravity, your clock ticks a bit slower than for someone _____
15. From your viewpoint, as you fall into a black hole, you'd see the universe _____
16. Black holes come in different sizes, but for all of them, the escape velocity is _____