



#45 - Deep Time

1. The notation used for numbers that are really big is called _____
2. With scientific notation, every time the exponent goes up by one the actual number is _____
3. A million is 10 to the sixth, a billion is 10 to the _____
4. 10^{18} isn't twice as big as 10^9 , it's _____
5. Astronomers Fred Adams and Greg Laughlin wrote the book, _____
6. The first epic of the Universe, covering up until the formation of stars, is called _____
7. The current era, where stars are the dominant objects, is called _____
8. How long can the lowest mass red dwarf fuse hydrogen into helium? _____
9. Near the end of the Stelliferous Era, what will happen to the light emitted by galaxies? _____
10. When the last star dies, the only objects left in the universe generating energy will be _____
11. When most objects are supported by degeneracy pressure, the Universe will appear _____
12. During the Degenerate Era, which subatomic particle of normal matter will decay? _____
13. At the end of the Degenerate Era, the only big objects that will be left are _____
14. Who worked out the math of black holes and discovered that they can emit particles? _____
15. Even supermassive black holes in galactic centers evaporate. It takes them about _____
16. The model where the cosmic horizon shrinks smaller than a particle is called _____