



#44 - A Brief History of the Universe

1. Cosmology is much like any other field of science; we have _____
2. A lot of what we know about the early universe comes from experiments done in _____
3. When the Cosmos was young, particles were slamming into each other creating _____
4. When the universe got its start, it was unfathomably _____
5. If you take a snowball and heat it up, it'll melt. We call that a _____
6. When you heat something up, what you're doing is giving it more _____
7. The basic particles of normal matter, which can't be subdivided any more, are _____
8. In the early Universe the basic forces we see today were all squeezed together into _____
9. Three minutes after the Big Bang, the Universe cooled enough that _____
10. 20 minutes after the Big Bang, the Universe cooled enough that _____
11. The primordial ratio was similar to the Sun's elemental abundance, which is roughly _____
12. After 380 millennia, the Universe cooled enough to form stable atoms. We call this _____
13. When the Universe was still ionized, prior to recombination, it was _____
14. After recombination, the light emitted by the neutral atoms is what we see today as _____
15. Alan Guth proposed an addition to the Big Bang model; a super expansion called _____
16. The denser fluctuations in the background glow is where matter condensed into _____