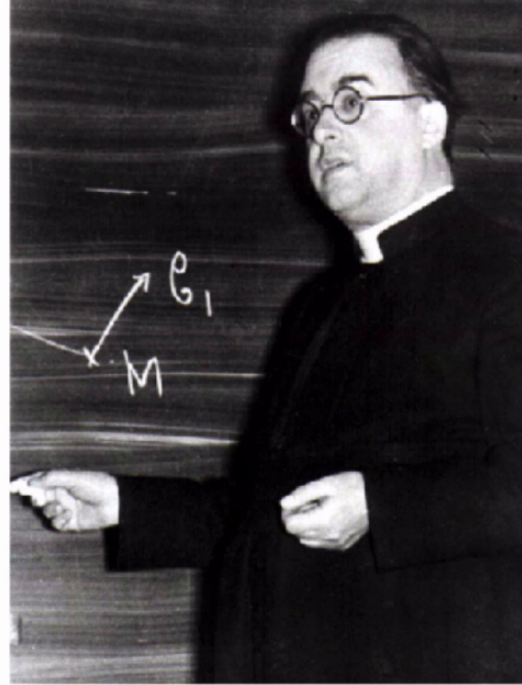


The Beginning of the Universe

1

Georges Lemaitre:
if the Universe is
expanding, it must
have begun small &
dense



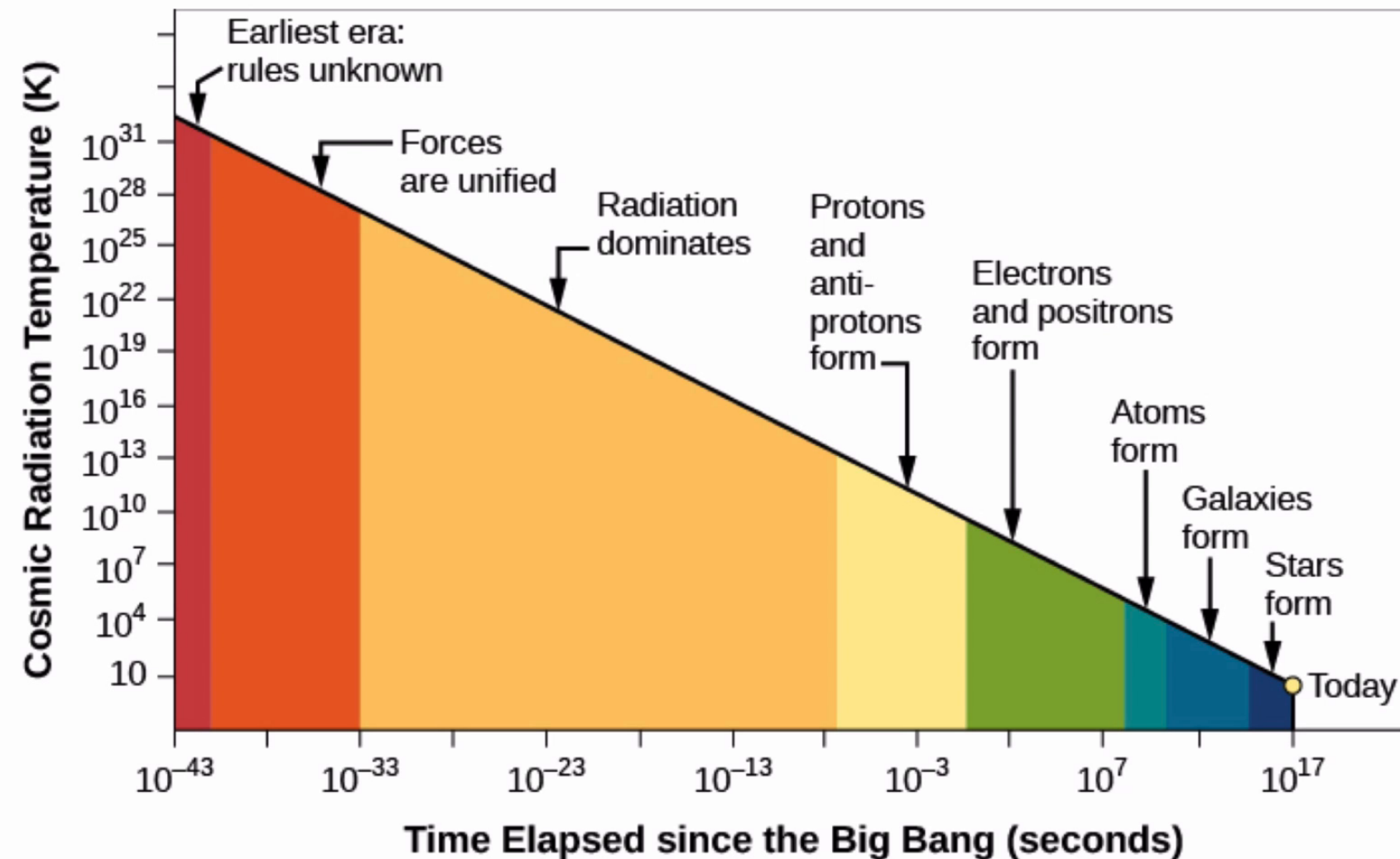
2

Fred Hoyle coined the term *Big Bang*
to refer to this incredibly compact,
dense, hot beginning. The Big Bang is
the prevailing model for the beginning
of the Universe



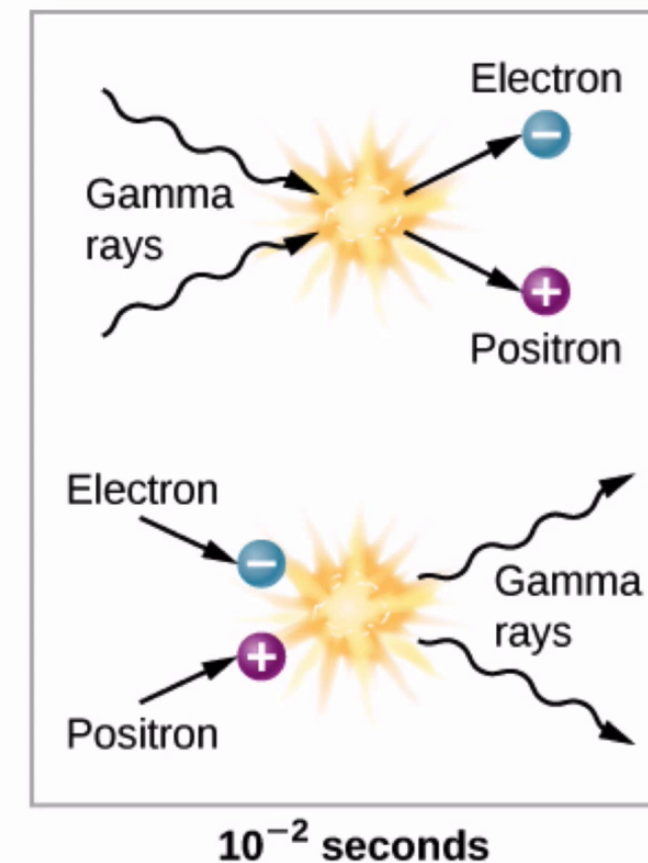
3

**As the Universe expanded after the
Big Bang, it cooled rapidly.**

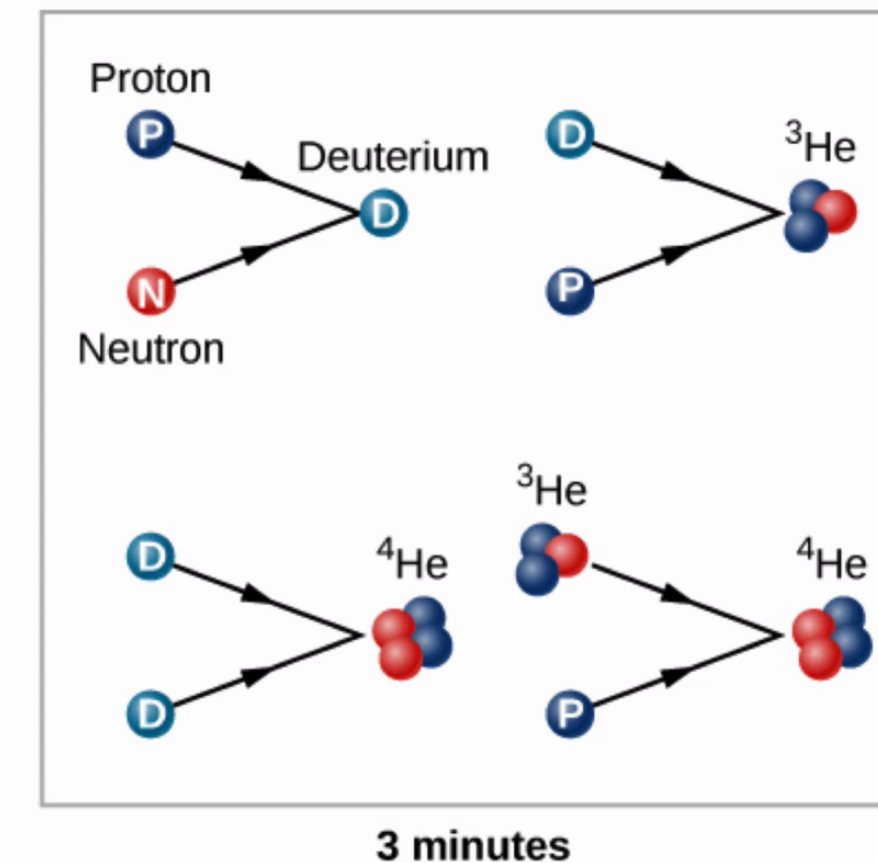


4

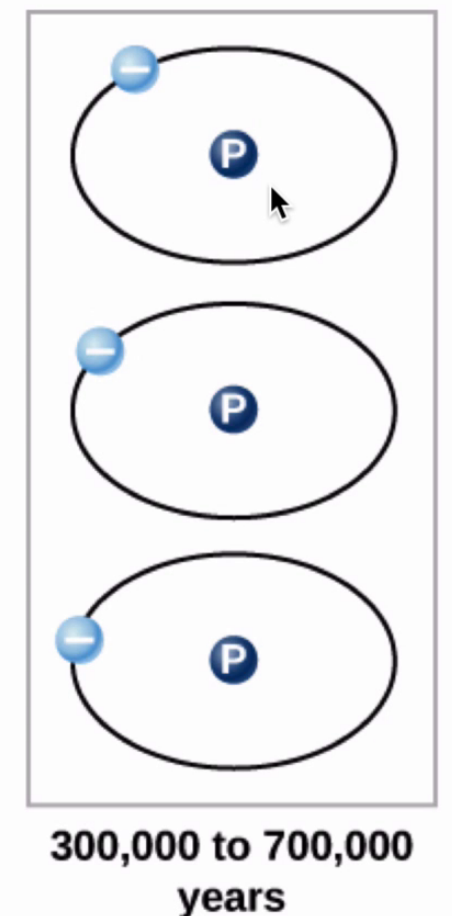
**The cooling involved the gradual transformation
of radiation into matter as we know it**



(a)



(b)



(c)