

BIG HISTORY ON A FOOTBALL FIELD

Name: _____

Date: _____

Threshold Conversion Table

A football field is 100 yards from one goal line to the other, and the Big Bang happened 13.8 billion years ago. How many years would each yard equal if 13.8 billion years were to be mapped onto the football field? (Hint: divide 13,800,000,000 by 100.)

Threshold	Years ago	Number of years after the Big Bang (ABB)	Years ABB divided by years per yard	Yard line placement
Threshold 1: The Big Bang	13,800,000,000	0	0	Goal line
Threshold 2: Stars Light Up	13,600,000,000			
Threshold 3: New Chemical Elements	13,550,000,000			
Threshold 4: Earth & the Solar System	4,560,000,000			
Threshold 5: Life	3,800,000,000			
Threshold 6: Collective Learning	200,000			
Threshold 7: Agriculture	11,000			
Threshold 8: The Modern Revolution	250			



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A Scale Diagram of a Football Field

Once you and your group have made your calculations on the Threshold Conversion Table, carefully mark and label each threshold on this diagram. The list of thresholds can be found on the next page.

