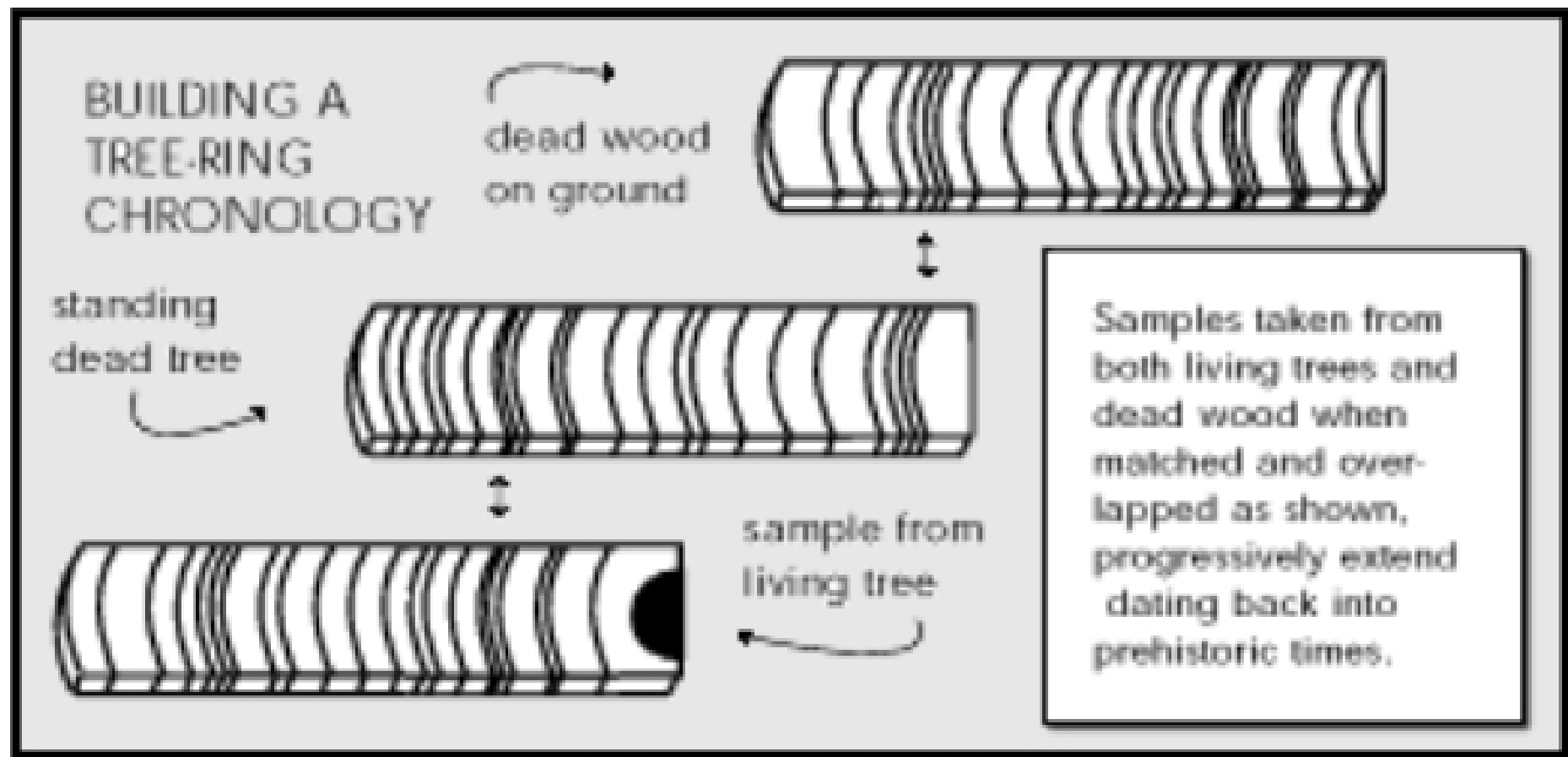


Tree Rings



Carbon-14

- Half-life: 5730 years
- Abundance: 1ppt
- Reaction: ${}_{6}^{14}\text{C} \rightarrow {}_{7}^{14}\text{N} + e^{-} + \bar{\nu}_e$
- Supply? $n + {}_{7}^{14}\text{N} \rightarrow {}_{6}^{14}\text{C} + p$
- Limit at about 60,000 years