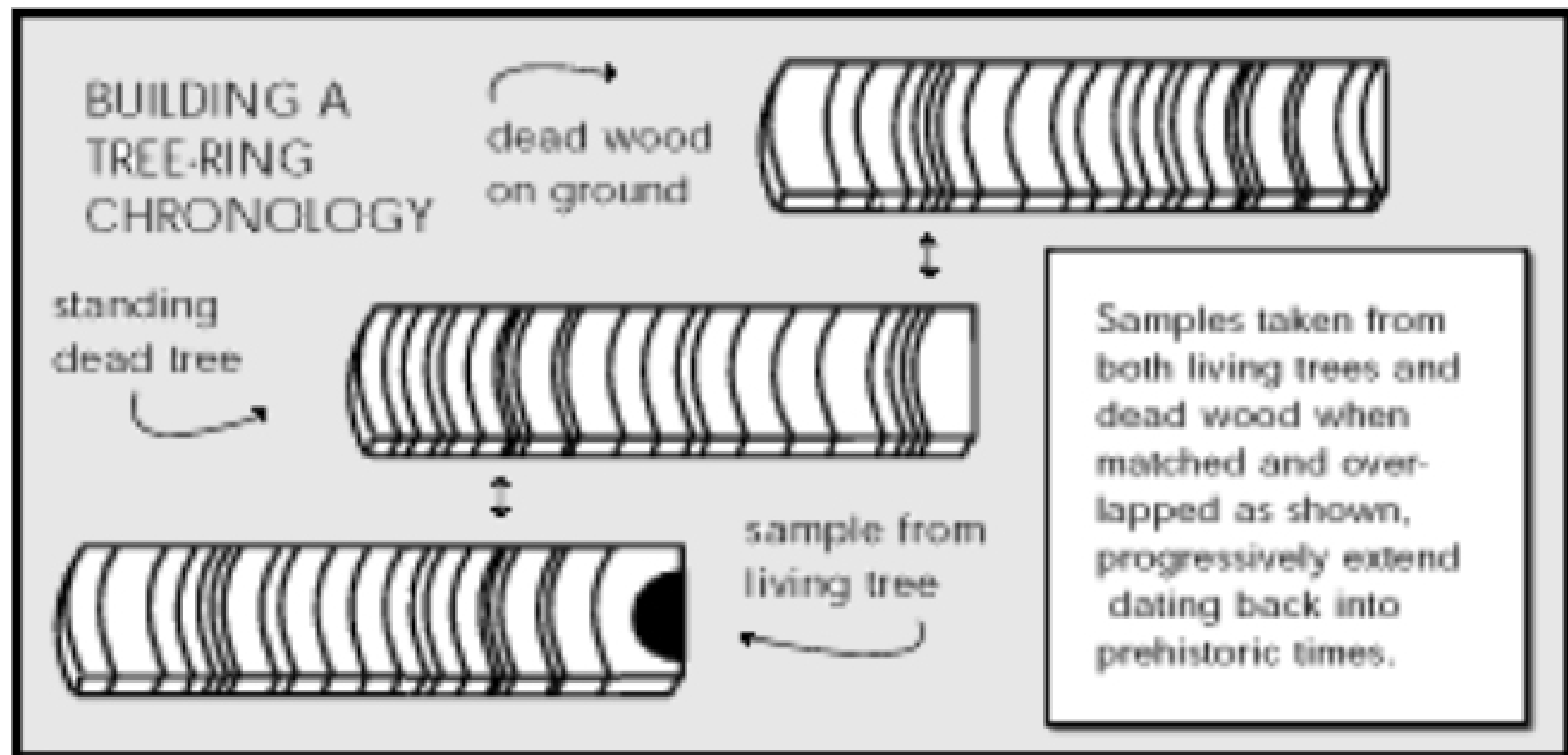


Tree Rings



Carbon-14

- Half-life: 5730 years
- Abundance: 1ppt
- Reaction: ${}^1_6\text{C} \rightarrow {}^1_7\text{N} + e^- + \bar{\nu}_e$
- Supply? $n + {}^1_7\text{N} \rightarrow {}^1_6\text{C} + p$
- Limit at about 60,000 years