

To explain 'why' we have to understand 'how'

- Archaeology / history give snapshots in time
- Problem is to understand the processes that could result in the sequence of snapshots we observe
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“Wind back the tape of life to the early days of the Burgess Shale; let it play again from an identical starting point and the chance becomes vanishingly small that anything like human intelligence will grace the replay.”

Stephen Jay Gould