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- It takes <u>E. coli</u> <1 hour to copy 5 million base pairs in its single chromosome
  - divide to form 2 identical daughter cells
- Human cell copies its 6 billion bases & divide into daughter cells in only few hours
  - remarkably accurate
  - ♦ only ~1 error per 100 million bases
  - ♦ ~30 errors per cell cycle

AP Biology



