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| EVENT | YEARS AGO | B OR A |
| Formation of the Earth | 4,600,000,000 |  |
| Formation of atmosphere and hydrosphere | 3,800,000,000 |  |
| Life (prokaryotes) | 3,500,000,000 |  |
| Free oxygen (02) building up in the atmosphere | 2,500,000,000 |  |
| Eukaryotes (cells with nuclei) | 1,400,000,000 |  |
| Multicellular organisms | 1,000,000,000 |  |
| Animals with hard shells | 680,000,000 |  |
| Soft bodied animals | 590,000,000 |  |
| Vertebrates | 520,000,000 |  |
| Land plants | 430,000,000 |  |
| Land animals | 400,000,000 |  |
| Amphibians | 360,000,000 |  |
| Extensive coal deposits | 350,000,000 |  |
| Seed producing plants | 350,000,000 |  |
| Reptiles | 300,000,000 |  |
| Dinosaurs | 235,000,000 |  |
| Mammals | 225,000,000 |  |
| Breakup of Pangea and formation of the Atlantic Ocean | 165,000,000 |  |
| Birds | 150,000,000 |  |
| Flowering plants | 140,000,000 |  |
| Formation of Rocky Mountains | 70,000,000 |  |
| Primates | 65,000,000 |  |
| Separation of Antarctica and Australia | 50,000,000 |  |
| Monkeys | 35,000,000 |  |
| Antarctic Ice Cap formed | 24,000,000 |  |
| Hominids | 4,000,000 |  |
| Stone tools | 2,500,000 |  |
| Neanderthals | 100,000 |  |
| Modern Humans (*Homo sapiens*) | 40,000 |  |
| Last ice age ended | 14,000 |  |
| Pictograms – Earliest written communication | 5,000 |  |