HHHHHHH AGES AND TYPES OF COLORADO ROCKS





| Pawnee Buttes in Weld County. | | | PUEBLO Arkansas picos de la companya | ears old) |
|--|------------|-----------------------------|--|-------------------------------|
| COLORADO | | | TELLURIDE LA JUNTA | gneous & netamorphic rocks |
| GEOLOGIC TIME SCALE | | | CORTEZ S CONTRAINS River | 25 50 mi |
| Era | Period | Millions of years ago | DURANGO | 40 80 km |
| C E N | Quaternary | 1.8 | Image: state of the state | ne Dotsero |
| O Z O I C (Age of Mammals) | Tertiary | 65 | Dramatic sand dunes shape the landscape of the Great Sand Dunes National Park and Preserve. The beautiful red and yellow colors record a time of intense global warming about 56 million years ago. | the world-famous |
| M E S | Cretaceous | 145 | Brick-red shales and siltstones of Triassic age; purple and gray shales of the Jurassic Morrison Formation; and rimrock of Cretaceous Dakota sandstone create a colorful landscape in western Colorado. | |
| O Z O I | Jurassic | 200 | Jurassic Jurassic Ver Coasta tida nats about 100 minion years ado. | |
| C (Age of Reptiles) | Triassic | 253 | Triassic Contraction of the second se | |
| | Permian | 300 | This massive monolith in Dinosaur The Leadville limestone formed in Red Rocks Park and Amphitheater (below) are made of 300 million-year-old red sedimentary | rocks. |

National Monument freezes in shallow marine seas about 350 million 500 million-year-old sandstones make up much of the cliffs in Glenwood Canyon (right).



DI

| | | | time a huge dune field that years ago, and is host to most of the existed 300 million years ago, states caves and caverns. |
|--------|----------------|-------|---|
| A | Pennsylvanian | 318 | |
| E | Mississippian | 360 | |
| ο | Devonian | 418 | |
| Z O | Silurian | 443 | |
| I | Ordovician | 489 | |
| C | Cambrian | 544 | |
| P R | Proterozoic | | The newly designated Black Canyon of the Gunnison National Park offers an intimate look at some of Colorado's oldest rock in the very narrow gorge scoured out by water during the past 2 million years! Source out by water during the past 2 million years! |
| E | Colorado's | 2,700 | |
| A | Archean | | Weathering of Precambrian grapite creates an intriguing Index of the index of the i |
| B | (accounts for | | |
| R I | more than | | |
| A | geologic time) | | |
| | 010 | RA | DOGEOLOGICAL SURVEY |

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