Museum of the Earth Assignment

In the space below, please find and make notations about the following AND describe your favorite exhibit from each of the geologic eras noted below (last page).

|  |  |  |  |
| --- | --- | --- | --- |
| SPECIMEN TYPE | EXAMPLE YOU FOUND (common name + Genus species) | AGE/LOCALITY | WHICH SPECIFIC EXHIBIT |
| Largely unaltered fossil |  |  |  |
| Carbonized fossil |  |  |  |
| Permineralized fossil |  |  |  |
| Replaced fossil |  |  |  |
| Recrystallized fossil |  |  |  |
| External mold |  |  |  |
| Internal cast |  |  |  |
| Trace fossil — track |  |  |  |
| Trace fossil — trail |  |  |  |
| Trace fossil — burrow |  |  |  |
| Trace fossil — borehole |  |  |  |
| Trace fossil — other (specify) |  |  |  |
| Reef guild — constructor |  |  |  |
| Reef guild — baffler |  |  |  |
| Reef guild — binder |  |  |  |
| Reef guild — dweller |  |  |  |
| Reef guild — “destroyer” |  |  |  |
| Oldest fossil |  |  |  |
| Youngest fossil |  |  |  |
| Smallest fossil |  |  |  |
| Largest fossil |  |  |  |
| Most beautiful fossil |  |  |  |
| Coolest fossil |  |  |  |
| Scariest fossil |  |  |  |
| Favorite fossil |  |  |  |

Please describe your favorite exhibit from each of the geologic eras noted below. Give a brief explanation of why the exhibit is your favorite – in what ways is the information particularly well conveyed, etc.?

PRECAMBRIAN:

PALEOZOIC: [Be sure to notice in the “Cambrian to Silurian” section the GIANT EURYPTERID, trilobite burrows, and GIANT MUDCRACKS; also see the Carboniferous CRINOIDS]

MESOZOIC: [Be sure to notice the Solnhofen specimens (horseshoe crab, shrimp, squid, etc).; Jurassic CEPHALOPODS; and GIANT CRETACEOUS CLAMS]

CENOZOIC: [The Hyde Park MASTODON is very cool]