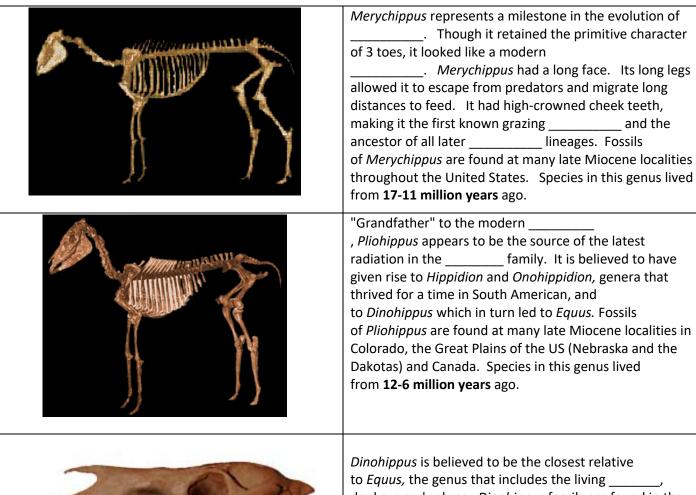
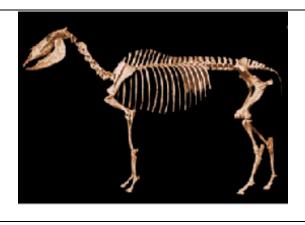
Earth Processes Mystery Text

Hyracotherium. This small dog-sized animal is the oldest found ancestor that lived about 55 million years ago. It had a primitive short face, with eye sockets in the middle and a short diastema (the space between the front teeth and the cheek teeth). Although it has low-crowned teeth, we see the beginnings of the characteristiclike ridges on the molars. It lived in forests and ate leaves and fruits.
Orohippus. The earliest evidence of this "little" is found in the middle Eocene of Wyoming, about 2 million years after the first appearance of Hyracotherium. The two genera coexisted during the Eocene, although Orohippus fossils are not as numerous or as geographically widespread as those of Hyracotherium. Fossils of Orohippus have been found in Eocene sediments in Wyoming and Oregon, dating from about 52-45 million years ago.
Mesohippus. The "middle" earned its name. Mesohippus is intermediate between the eohippus-like of the Eocene, (which don't look much like our familiar "") and more "modern" Fossils of Mesohippus are found at many Oligocene localities in Colorado and the Great Plains of the US (like Nebraska and the Dakotas) and Canada. This genus lived about 37-32 million years ago.
Miohippus. Species of Miohippus gave rise to the first burst of diversity in the family. Until Miohippus, there were few side branches, but the descendants of Miohippus were numerous and distinct. During the Miocene, over a dozen genera existed. Fossils of Miohippus are found at many Oligocene localities in the Great Plains, the western US and a few places in Florida. Species in this genus lived from about 32-25 million years ago.
Parahippus appears to be the evolutionary "link" between the old forest-dwelling and the modern plains-dwelling grazers. It has 3 toes, like primitive, but the side toes are smaller. They are "faced," or long-headed with the eye socket well back from the middle of the skull. Fossils of Parahippus are found at many early Miocene localities in the Great Plains and Florida. Species in this genus lived from 24-17 million years ago.





Dinohippus is believed to be the closest relative to Equus, the genus that includes the living _____, donkeys and zebras. Dinohippus fossils are found in the Upper Miocene of North America and date from 13 - 5 million years ago.



Equus is the only surviving genus in the once diverse family of ______. Domesticated about 3,000 years ago, the ______ had a profound impact on human history in areas such as migration, farming, warfare, sport, communication, and travel. Species of _____ lived from 5 million years ago until the present. Living species include _____, donkeys, and zebras. Fossils of Equus are found on every continent except Australia and Antarctica.