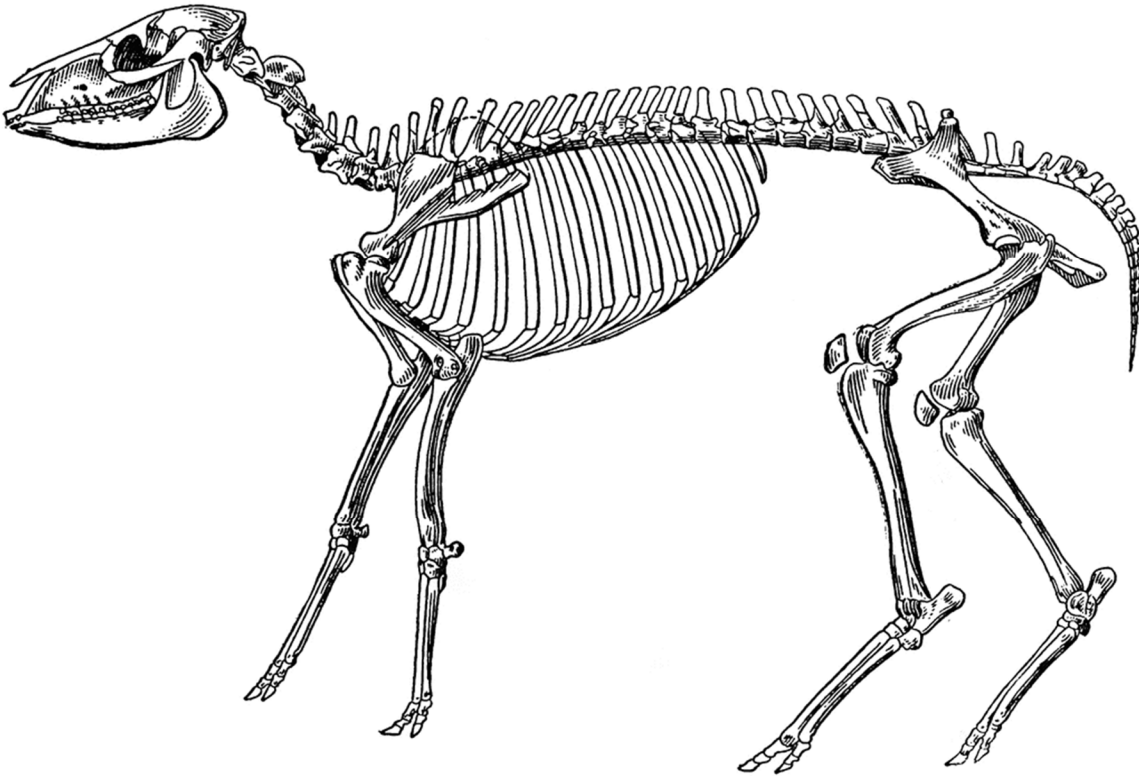
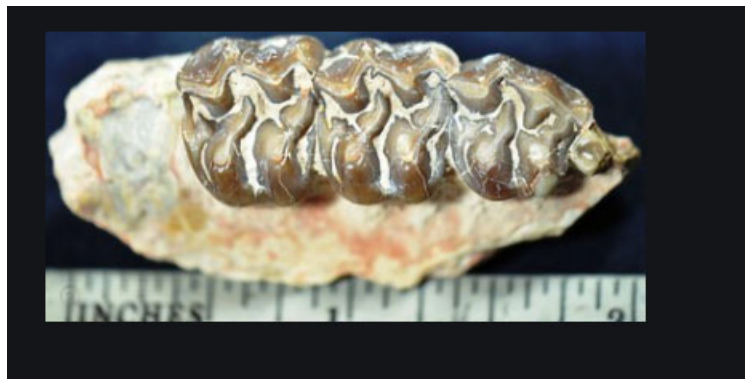


# I am an extinct ungulate.



This is close up of hind leg.

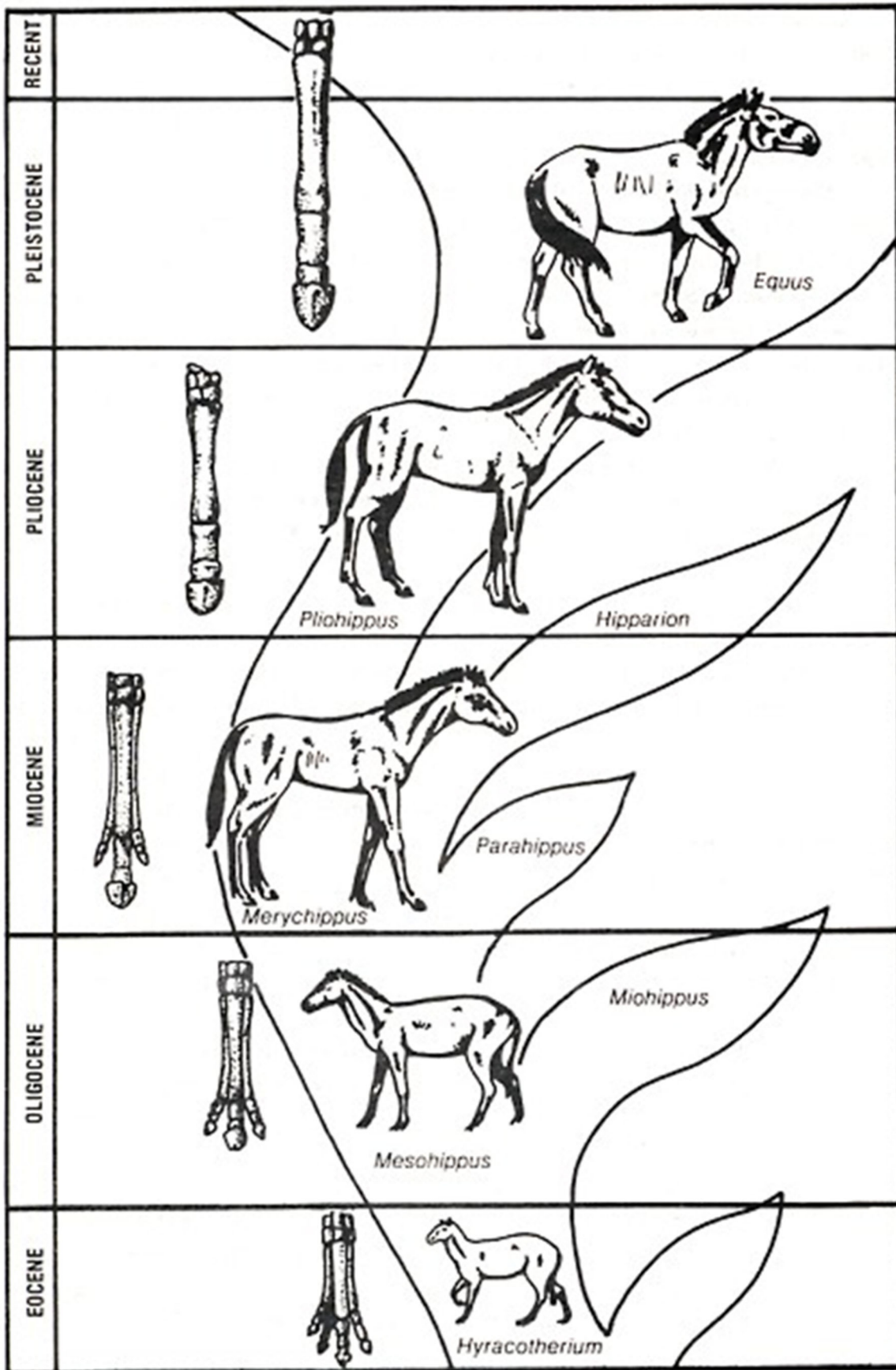


What did this animal look like when it was alive. Look at the fossil “horses” that were alive during the Cenozoic. Compare the bone structure and see if you can match it to one the forms of horses found in the fossil record . Look at the hooves and the teeth that were also found. Use the skeleton to draw what you think this animal looked like and make a decision of what epoch it was from the chart. You can draw over the skeleton or try to draw it free hand. Think of animals of today, they will give you clues on what color they might be. Remember the present is key to the past.

I belong to the Genus \_\_\_\_\_

# Evolution of the Horse in the Cenozoic

Evolution at the end of the 1800's was thought to be linear, but with more fossils in different locations, the story is more of overlap, radiations and extinctions. As you looks at environmental changes, the modern horse evolved to survive changing climate, which could cause food supply to change.



Let's look at the evidence of horse bones through the ages. O. Charles Marsh in the late 1800's looked at horse fossils throughout the US and determined that the fossil bones came from the epochs listed below. Use this chart to help determine the age and name of bones on the "I am an ungulate" page. Circle the epoch and bones/teeth that you think they are. Observe!

	Fore Leg	Hind Leg	Tibia	Cannon bone	Tooth side	Upper molar	Lower molar
RECENT- PLEISTOCENE <i>Equus</i>							
PLIOCENE <i>Pliohippus</i>							
LOWER PLIOCENE <i>Protohippus</i>							
MIOCENE <i>Merychippus</i>							
OLIGOCENE <i>Mesohippus</i>							
EOCENE <i>Hyrcotherium</i> ( <i>Eohippus</i> )							