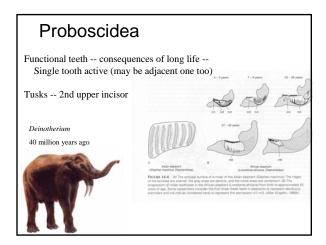
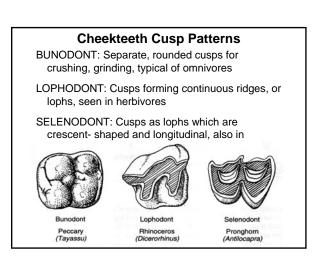
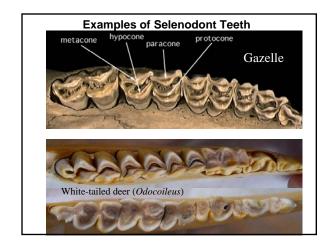


## Tooth Replacement Most mammals are diphyodont which means they produce 2 sets of teeth during lifetime (milk teeth, permanent dentition) Milk teeth consist of incisors, canines, and premolars. Molars only grow in as permanent teeth Pattern of tooth replacement/eruption is well-ordered and species-specific; tooth eruption schedules can be used for aging mammals Tooth replacement is vertical except in a few species in which it is horizontal (elephants, manatees, dugongs)







## **DENTAL FORMULAS**

- Dental formulae are always given in the order: incisors (I), canines (C), premolars (P), molars (M)
- Humans have 2 incisors, 1 canine, 2 premolars, and 3 molars = 12 C1 P2 M3, in each quadrant of their upper jaws
- The numbers for each quadrant of the lower jaw are the same; general formula for humans is written I2/2 C1/1 P2/2 M3/3.
- To calculate total number of teeth from dental formula, sum these numbers (2+2+1+1+2+2+3+3 = 16) then multiply by 2

16 X 2 = 32 total teeth in adult human