

Interspecific Karyotyping:

Mystery at the Zoo!

As a research assistant in the zoo genetics lab, it is your job to figure out which species possesses each of the chromosome spreads you see below. You will print out one spread (by number) and cut them out and pair them to decipher to which species they belong. Once you have your spread complete, get it approved by your supervisor who will then give you the key to which you can compare your finished karyotype.

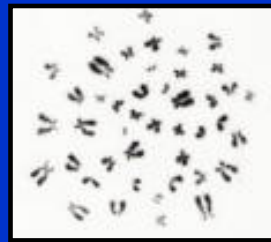
If your assigned spread number has more than one part, designated by a part "a," "b," or "c," you must print out all of them and figure out where the pictures overlap. You must only cut out one copy of each chromosome when there are duplicates on another picture. It helps to cut count them before you cut them out. Also, some have chromosomes that are laying on top of each other, making cutting difficult. When this happens, you must print 2 copies of the spread so that you every chromosome accounted for.



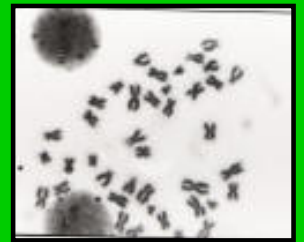
#1



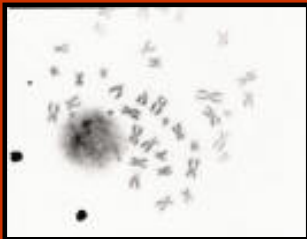
#2



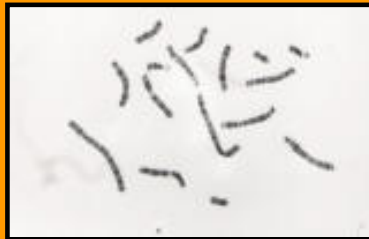
#3



#4a



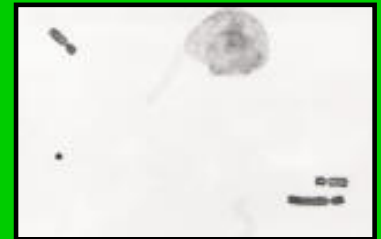
#4b



#5a



#5b



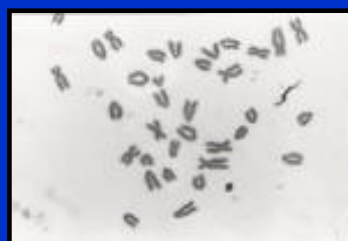
#5c



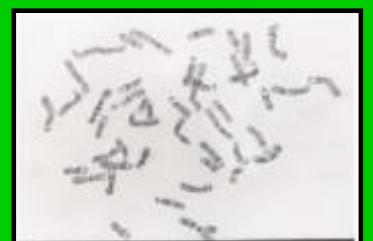
#6



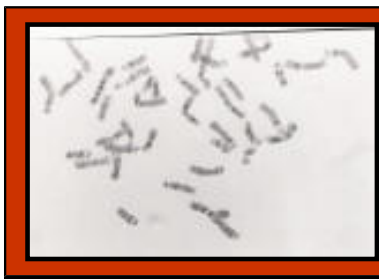
#7a



#7b



#8a



#8b



#9a



#9b



#10a



#10b



#11



#12



#13



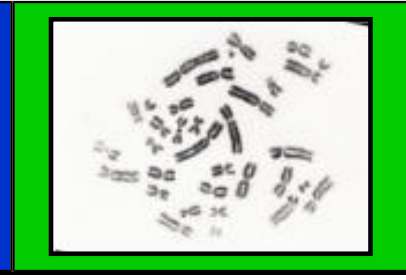
#14



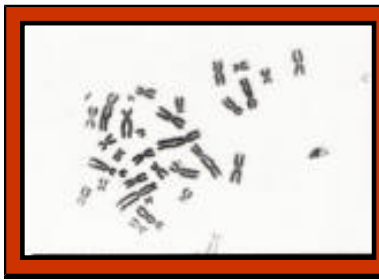
#15



#16



#17



#18a



#18b



#19



#20



#21

