

Name _____

Date _____ Per. _____

CHROMOSOME CONNECTION: Worksheet for Responses to Activity Questions

Check Questions:

1. _____ Reason: _____

2. _____ Reason: _____

Part 1: Bullet B matches scratch pattern on bullet # _____. What does this indicate?

Part 2: Human chromosome #3 perfectly matches _____. This belongs to what animal? _____
What does this indicate?

Part 3: What clearly happened in the ancestral human chromosome #4 to produce the chimp chromosome #IV?

What kind of inversion was this? Why is it called that?

Part 4: When chimp chromosomes 2p and 2q are touching end to end, with their centromeres close and their extreme tip ends aligned, how close a match to our #2 do they make? _____

What does this indicate probably happened?

What does this suggest (regarding ancestry of humans and chimps)?

Part 5: Chromosome comparisons:

1. In which sets are the O chromosomes very different from the other three? _____

2. In which sets are the G chromosomes very different from the other three? _____

3. In which sets are the C chromosomes very different from the other three? _____

The H chromosomes are _____, the C chromosomes are _____

The G chromosomes are _____, the O chromosomes are _____

Check Questions: 3. _____ 4. _____ 5. _____

Why did you answer as you did for #5?

Given the results of recent studies, and based on those "MILEs," apes truly are _____