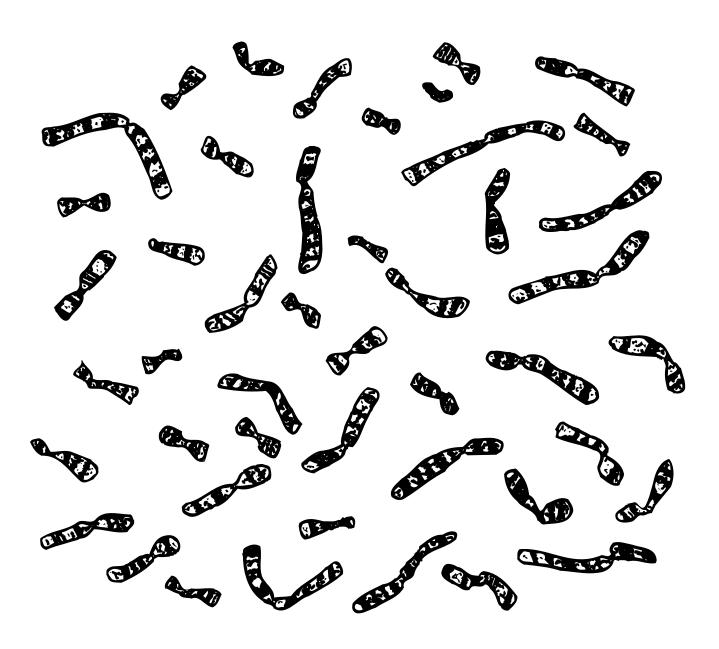


| Name | | | |
|------|--|--|--|
| | | | |

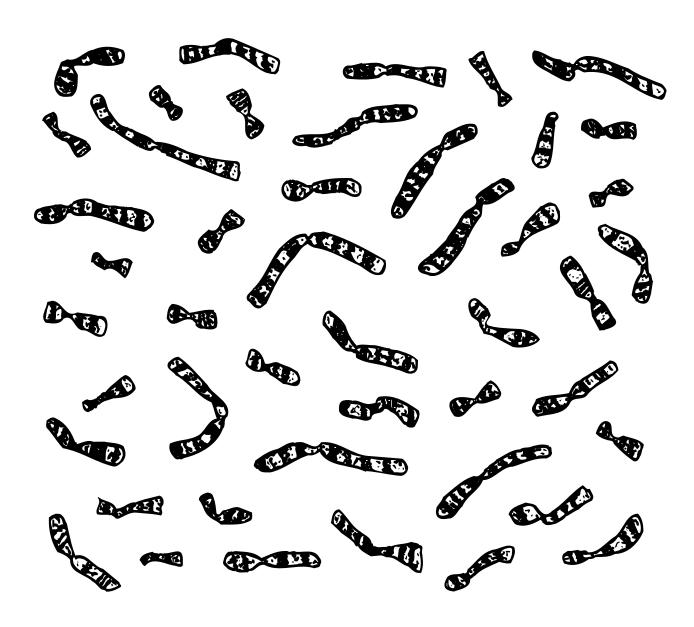
Karyotyping Worksheet

| Group A: Long chromosomes; centromere near center. | 1 | | 2 | 3 | _ | | | | | |
|---|--|-------------------|----|---|----|----|--|--|--|--|
| Group B: Long - chromosomes; centromere not in center. Group C:Medium chromos | 4 somes; centromeres sli ₁ | ghtly off center. | 5 | | | | | | | |
| | | | | | | | | | | |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 | | | | |
| Group D:Medium chromosomes; centromeres near one end of chromo- some. | 13 | | 14 | 15 | _ | | | | | |
| Group E: Short - chromosomes; centromeres slightly off center. | 16 | 17 | 18 | — Group F: Short chromosomes; centromeres near center. | 19 | 20 | | | | |
| Group G:Very short chromosomes; centromere near end. | 21 | | 22 | Sex Chromosomes | | | | | | |
| Smear # How many chromosomes does this individual possess? What is the sex of the individual? | | | | | | | | | | |

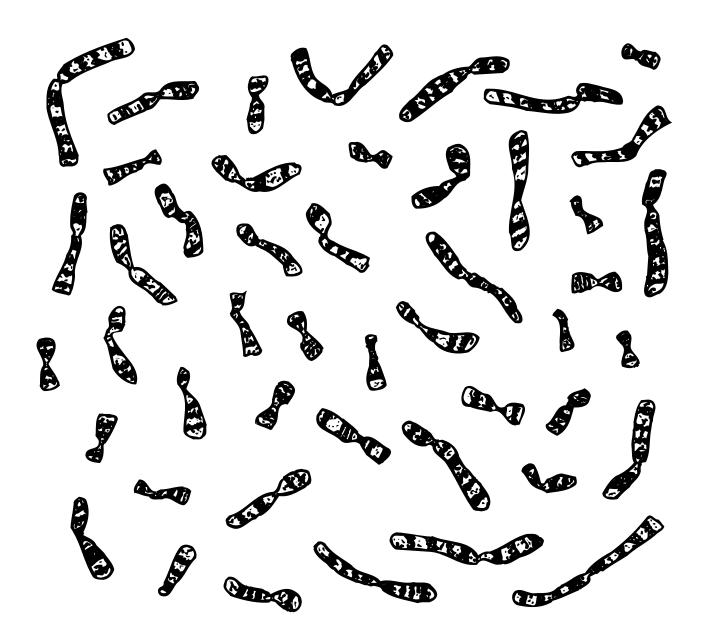
Describe any chromosome abnormalties you have discovered.



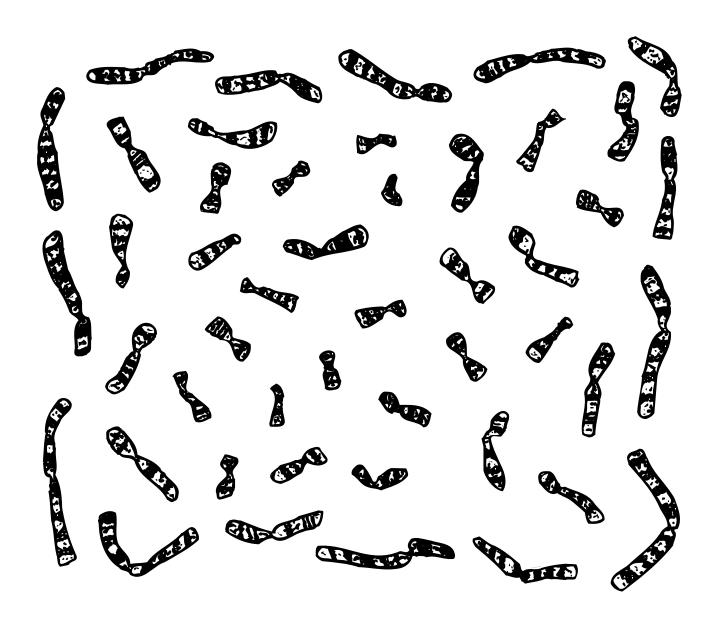
- 1. Use scissors to cut out the individual chromosomes.
- 2. Match homologous pairs of chromosomes and place them on the worksheet in their appropriate space. Use the line provided to line up the centromere region on each chromosome. Use the shape, size, banding patterns, and group descriptions to arrange the karyotype.
- 3. When your chromosomes have been classified and you are confident of their identity, tape them to your worksheet and answer the questions on the worksheet.



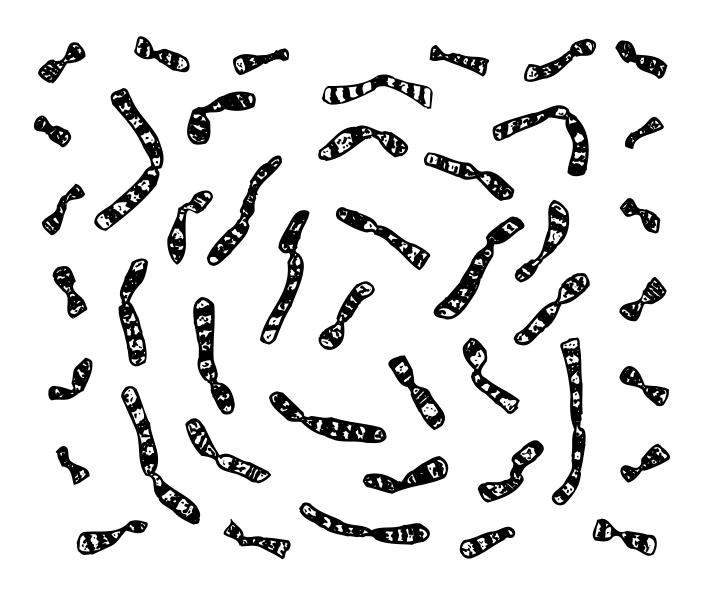
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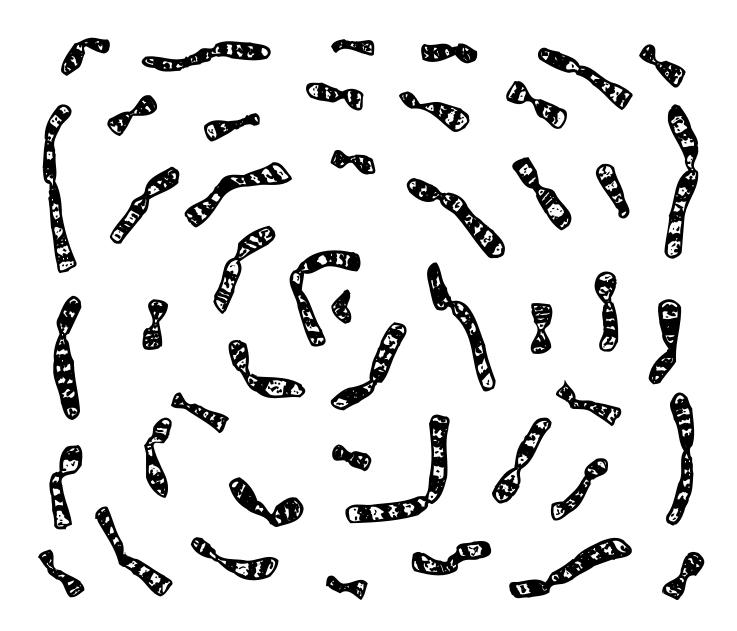
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