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|  | **Functional Groups-2** | Name: Date: |
|  |
| 1. Draw and name the ***cis*** and ***trans*** condensed AND skeletal structure of:

 |
| ***cis*** structure | ***trans*** structure |
| Name: | Name: |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | 2-cis-hexene |
|  |  | 2-methyl-3-cis-hexene |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  | 3-ethylhexanal |
|  |  | 2,2-dimethyl-3-pentanone |
|  |  | 4,4,5-trifluoroheptanal |
|  |  | 5-chloro-4-ethyl-6-methyl-3-octanone |

1. What is the smallest ketone possible? Explain.
2. Determine the errors in the following names and give the correct name
	1. 1-butanone
	2. 3-pentanal
	3. 3-ethyl-2-methylbutanal