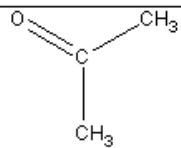
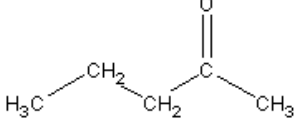
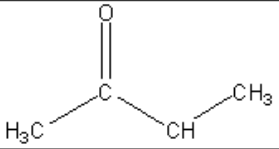
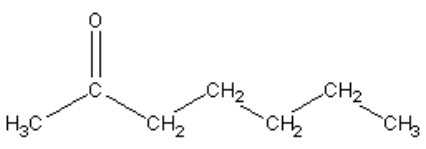
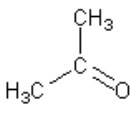
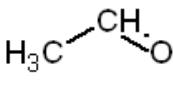
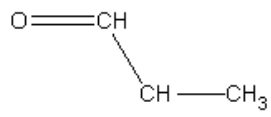
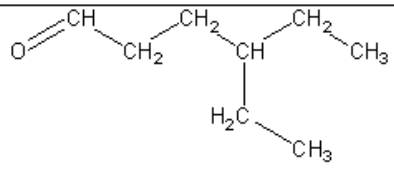
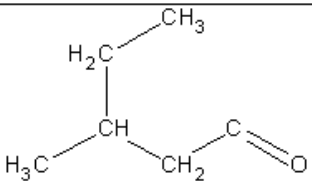
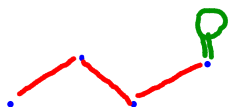



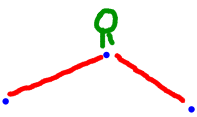
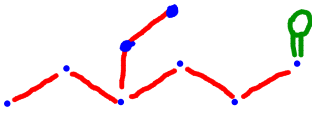
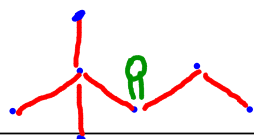


Aldehydes and Ketones

| Structure | Name |
|---|------------------|
|  | propanone |
|  | 2-pentanone |
|  | butanone |
|  | 2-heptanone |
|  | propanone |
|  | ethanal |
|  | propanal |
|  | 2-ethylhexanal |
|  | 3-methylpentanal |

| Name | Structure |
|--------------------------|---|
| butanal |  |
| heptanal |  |
| Ethanal |  |
| butanone |  |
| 2-propanone |  |
| 3-ethylhexanal |  |
| 2,2-dimethyl-3-pentanone |  |

1. What is the smallest ketone possible? Explain.

propanone - 1st chain with a "middle" carbon

2. Determine the errors in the following names and give the correct name

a. 1-butanone

b. 3-pentanal

c. 3-ethyl-2-methylbutanal

"one" = middle
not end

"al" = end
not middle

longest carbon chain
is not named.