

Kapitel 6 Alt det søde – carbonylforbindelser og spejlbilledisomeri

Træningsopgaver

1. a. 1, 2 og 3 er aldehyder; indeholder —CHO .
4 og 5 er ketoner; indeholder >C=O .

b. 1. ethanal

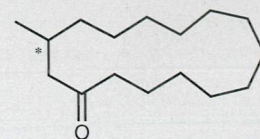
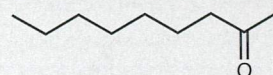
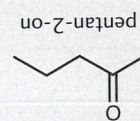
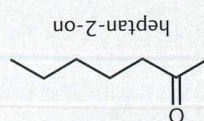
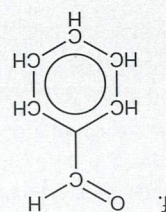
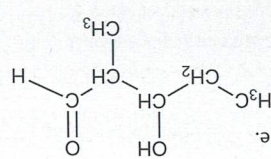
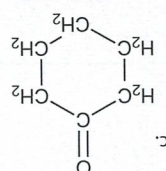
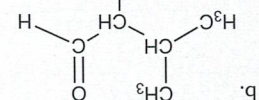
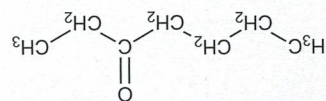
2. hexanal

3. hex-2-enal

4. 3-phenylbutanon

5. 4-phenylbutanon.

2. a.



- b. C-atomet markeret med stjerne er et asymmetrisk C-atom eller et kiralit center.
c. Intet bundfald med Fehlings væske. Det er en keton.

5. a. 1. 3,3-dimethylpentan-2-on

2. 2-methylpropanal

3. ethylbutanoat

4. propenal

5. pent-4-ensyre

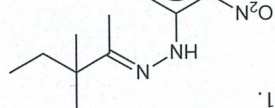
6. 3-hydroxypentan-2-on.

b. A: 1, 2, 4 og 6: gult bundfald; 3 og 5: intet bundfald.

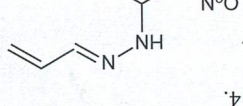
B: 2 og 4: rødt bundfald; 1, 3, 5 og 6: intet bundfald.

c. A: Hydrazoner

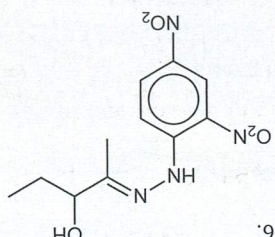
1.



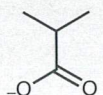
4.



6.

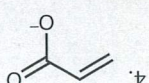


2.



6. a.

2, 4 og 5 (indeholder —OH); 6 (indeholder >NH)



b.

