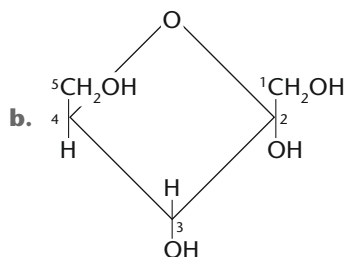
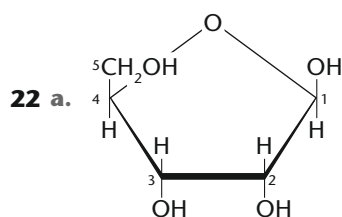
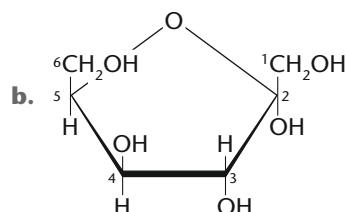
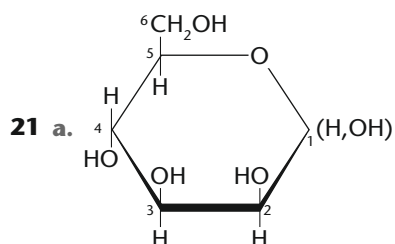
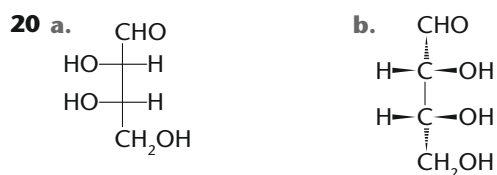
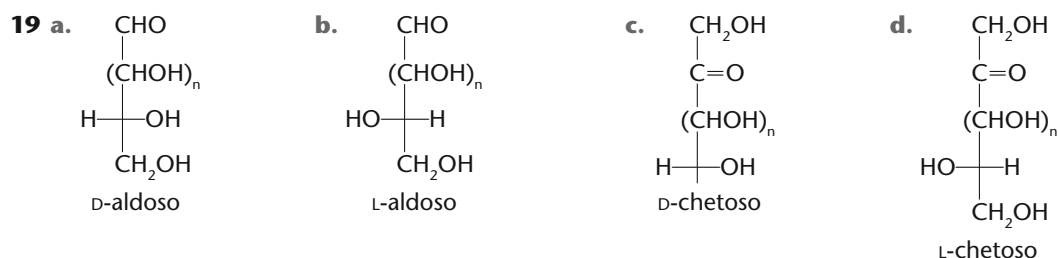


Biochimica: le biomolecole • Capitolo B1

VERIFICA LE TUE CONOSCENZE

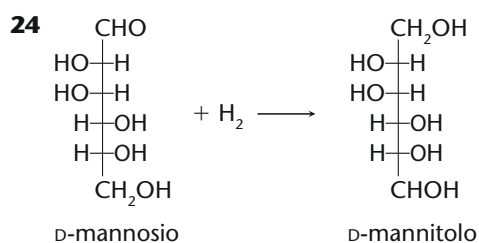
1 A	7 A	13 B
2 A	8 B	14 C
3 B	9 A	15 D
4 A	10 B	16 A
5 B	11 B	17 D
6 B	12 C	18 A

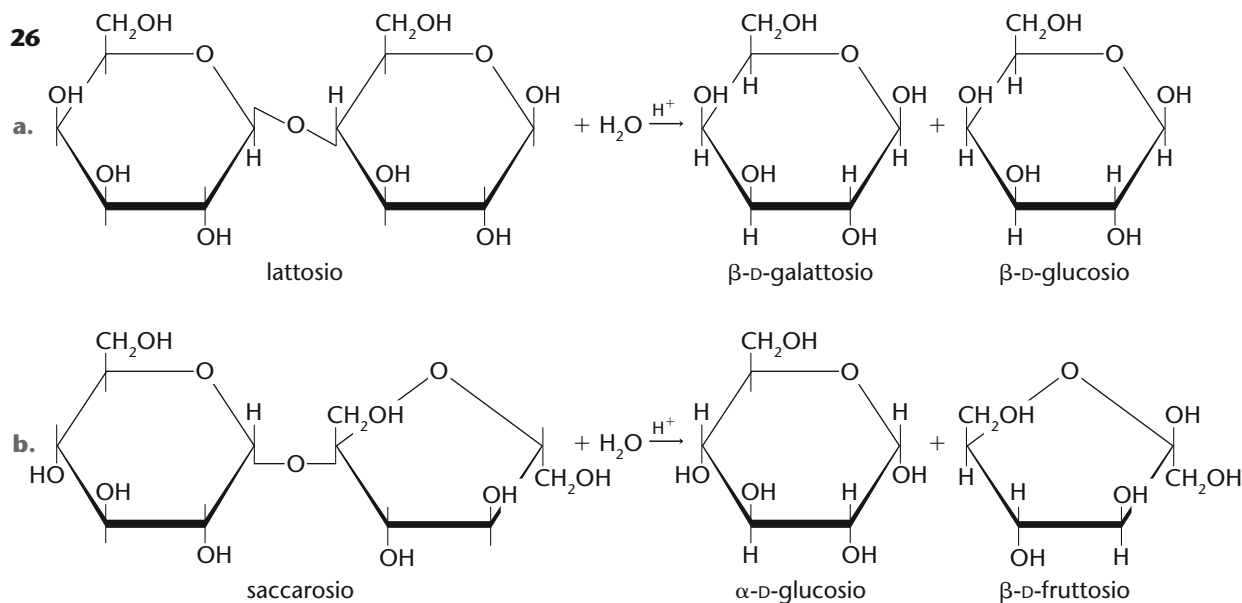
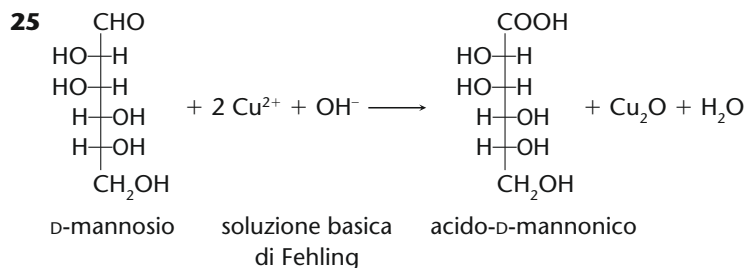
VERIFICA LE TUE ABILITÀ



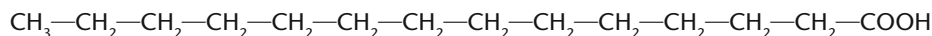
23 a. $\alpha\text{-D-fruttosio} = 26,63\%$

b. $\beta\text{-D-fruttosio} = 73,37\%$

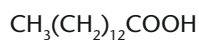




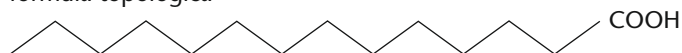
27 formula razionale



formula condensata



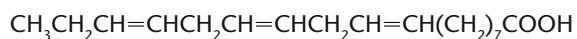
formula topologica



28 formula razionale

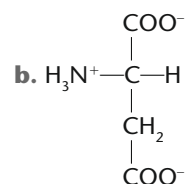
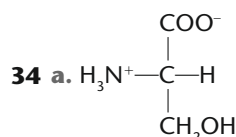
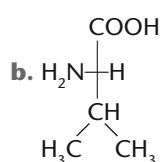
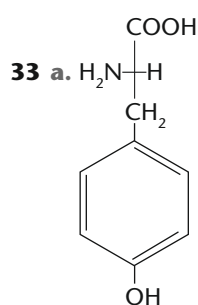
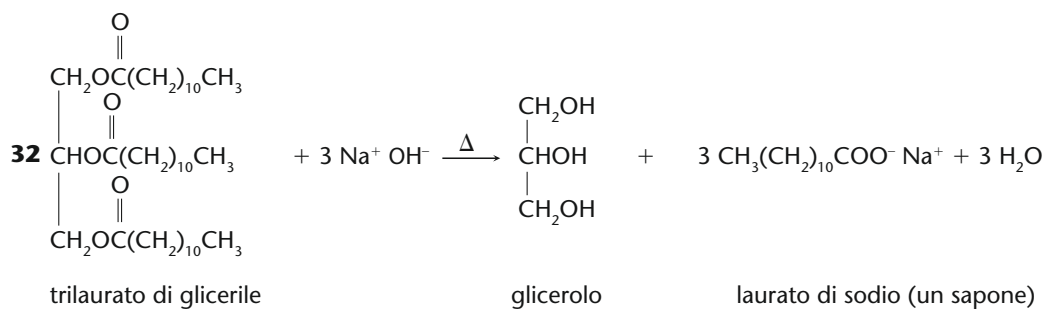
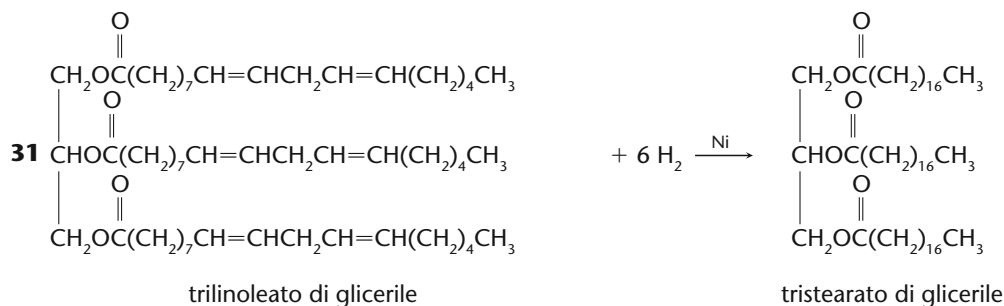
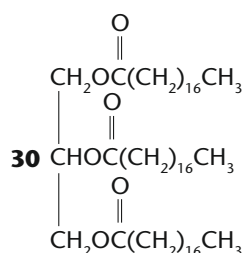
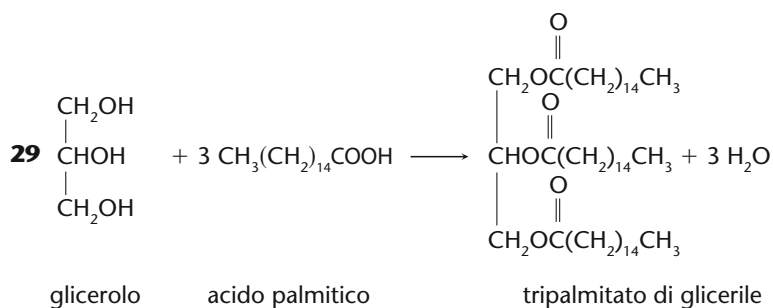


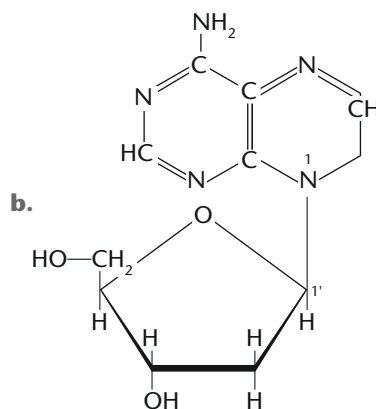
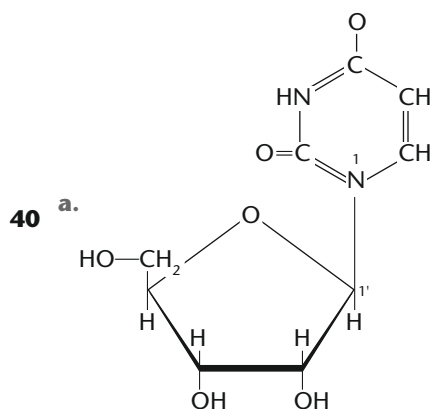
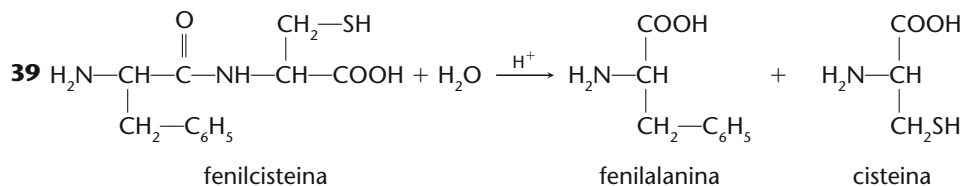
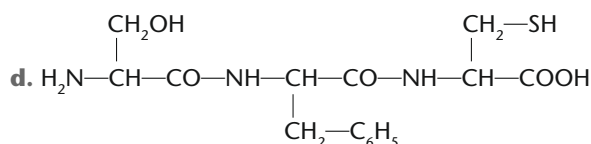
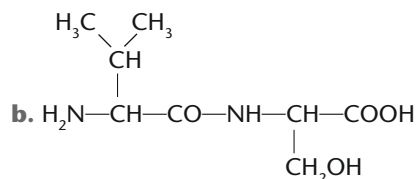
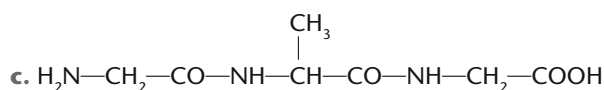
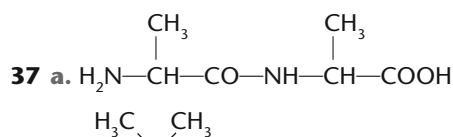
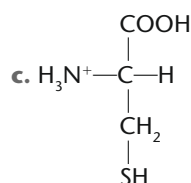
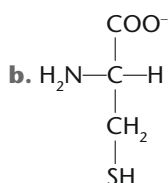
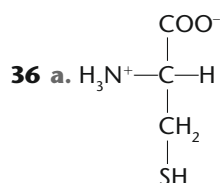
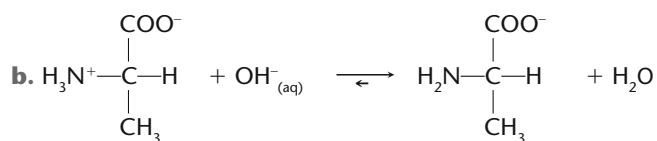
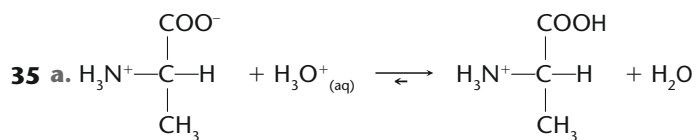
formula condensata

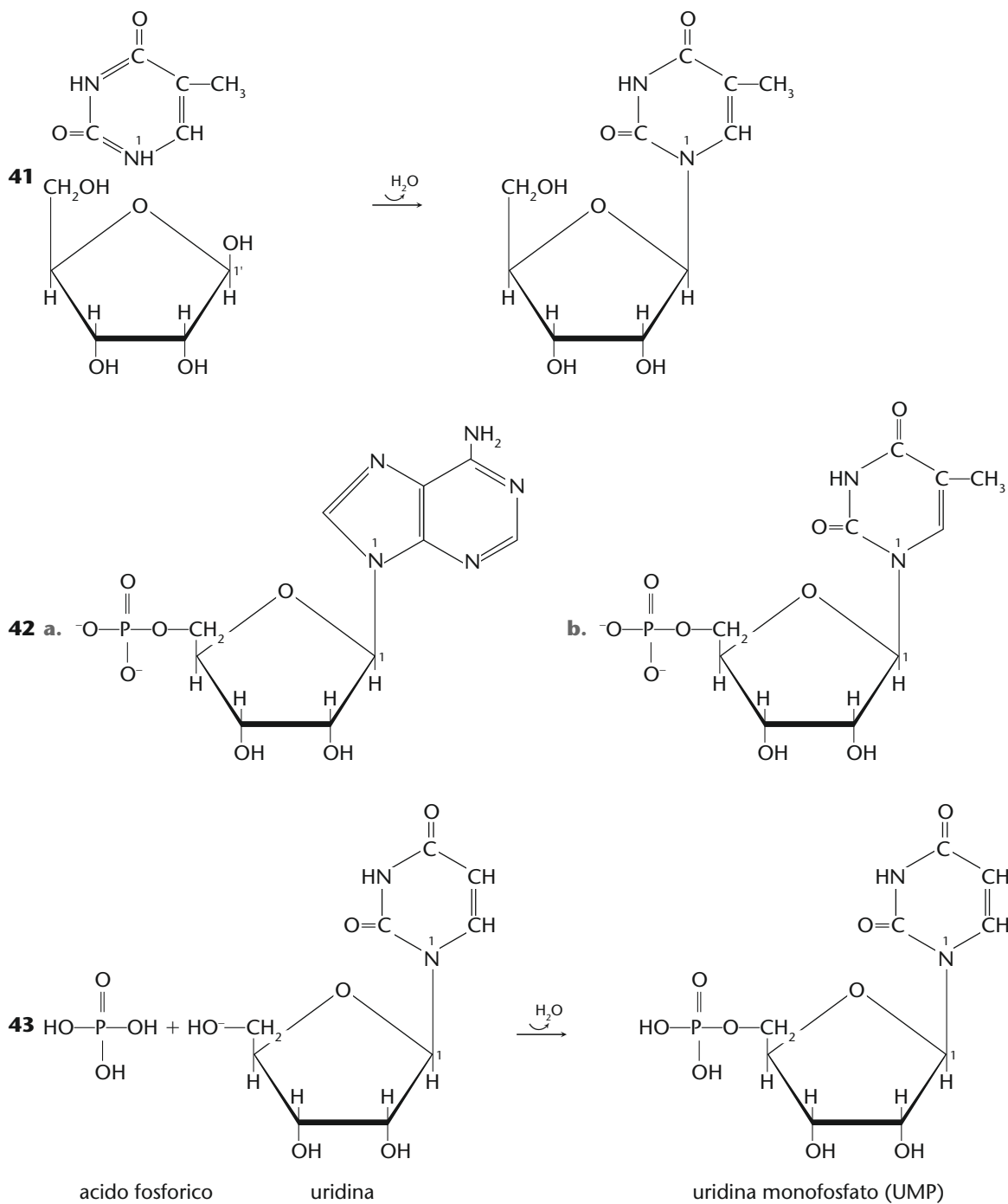


formula topologica (i tre doppi legami sono *cis*)









TEST YOURSELF

44 C

45 A

46 B

47 B

VERSO L'UNIVERSITÀ

48 C

49 E

50 B

51 A

52 E

VERSO L'ESAME

ESEMPLIFICA

54 Sono anfifilici, per esempio, gli acidi biliari, che hanno la funzione biologica di emulsionare i grassi per formazione di micelle, i fosfolipidi e il colesterolo, che compongono le membrane cellulari.

OSSERVA E CLASSIFICA

55 **Prima figura:** acido grasso insaturo; **seconda figura:** acido grasso saturo.

OSSERVA E DESCRIVI

- 56** **a.** Globulare.
b. Alfa elica e beta foglietto (struttura rappresentata da frecce).
c. Sì, si individuano 4 polipeptidi evidenziati in colori diversi.

IPOTIZZA

- 57** **a.** Basicità.
b. Lisina, Istidina, Arginina.

OSSERVA E IPOTIZZA

- 58** **a.** La planarità.
b. Per la maggiore frequenza del processo di duplicazione.

CONFRONTA

- 59** Le differenze nella struttura quaternaria: la mioglobina è costituita da un unico polipeptide, mentre l'emoglobina presenta 4 subunità.
60 L'associazione di più polipeptidi in una struttura quaternaria è stabilizzata da legami deboli, mentre ubiquitina e proteina da degradare sono coinvolte in un legame covalente.