

1 ルイス構造式

問 1.1

(1a) 14 (1b) 4 (1c) 1 (1d) 1 (1e) 17 (1f) 7

(1g) $\text{H}\cdot$ (1h) $\cdot\text{Cl}\cdot$ (1i) $\cdot\text{N}\cdot$ (1j) $\cdot\text{F}\cdot$ (1k) $\cdot\text{O}\cdot$ (1l) $\text{Li}\cdot$

(1m) $\cdot\text{S}\cdot$ (1n) $\cdot\text{B}\cdot$

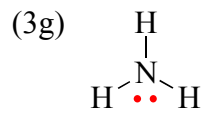
問 1.2

(2a) 2 (2b) 8 (2c) 8 (2d) 2 (2e) 8

問 1.3

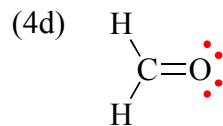
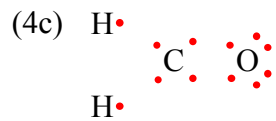
(3a) 3 (3b) 3 (3c) 6 (3d) 5

(3e) 非共有電子対 (3f) オクテット

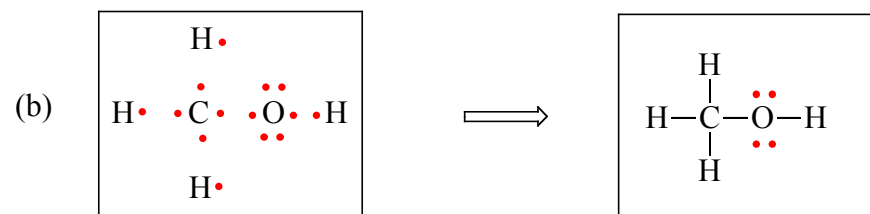
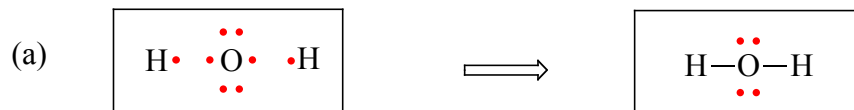


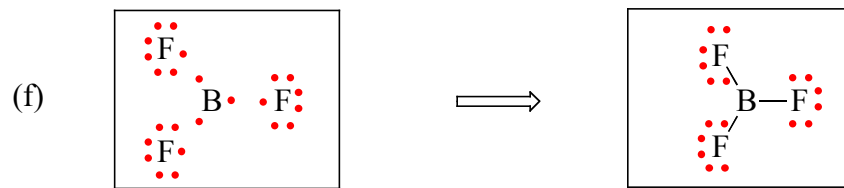
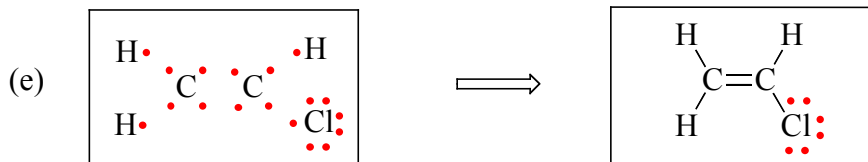
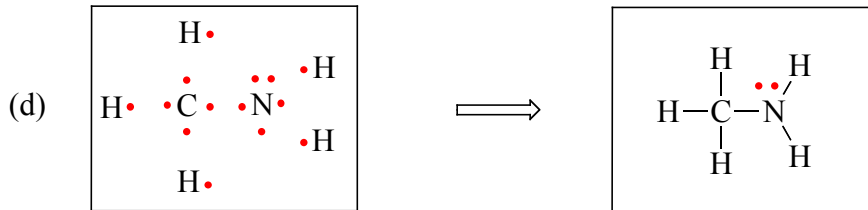
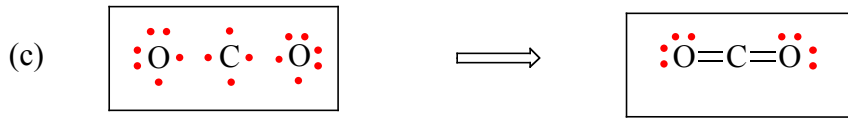
問 1.4

(4a) 4 (4b) 2

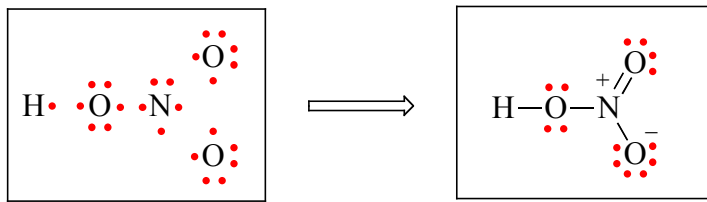


演習問題 1.1

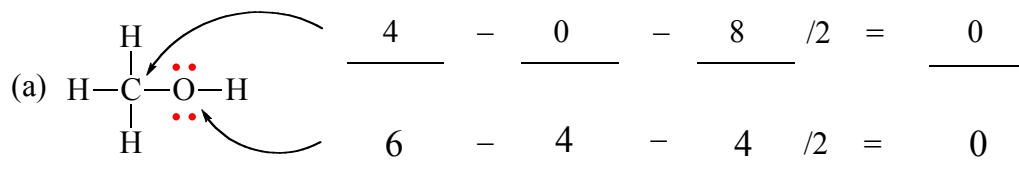


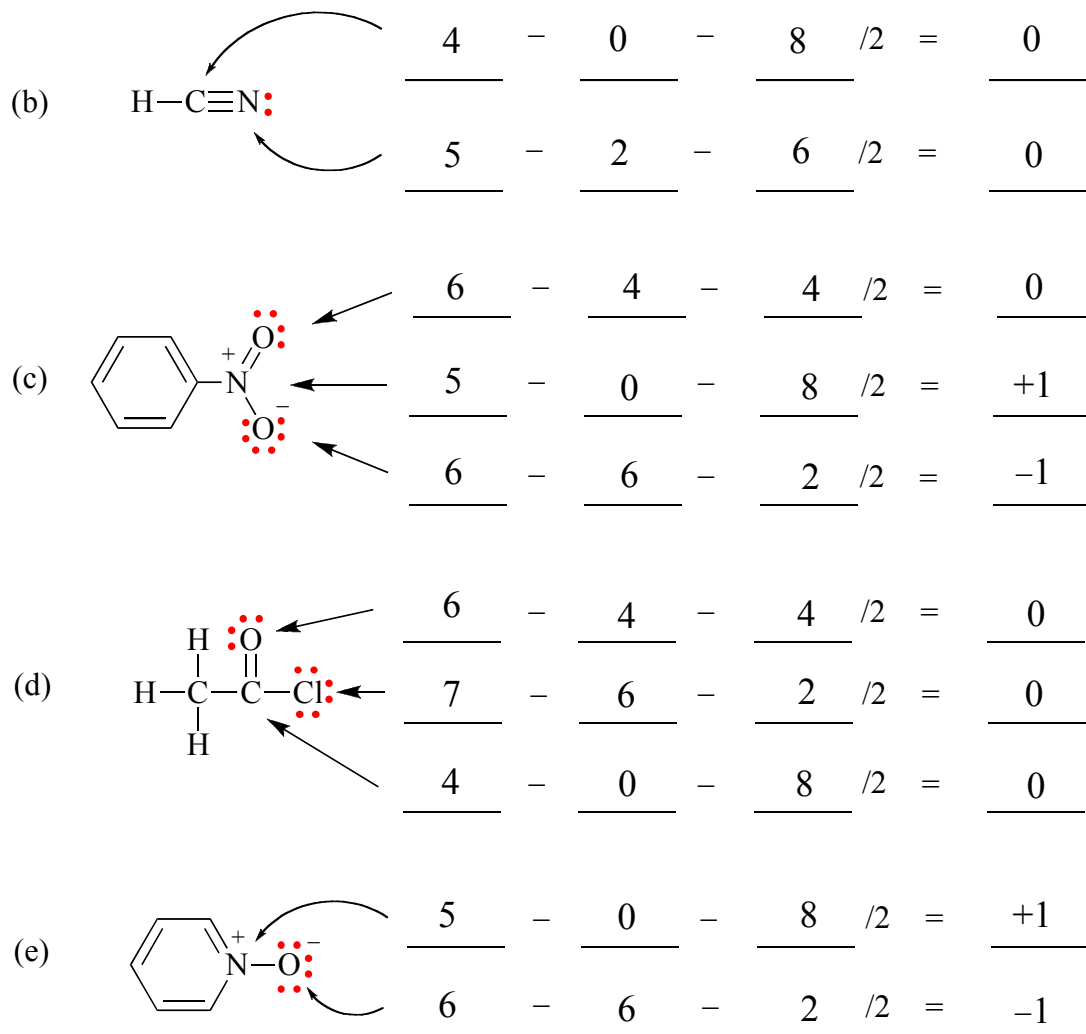


問 1.5

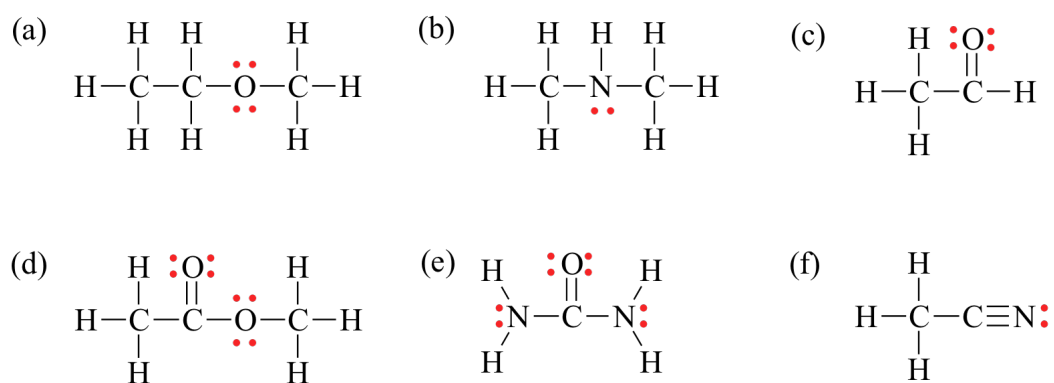


演習問題 1.2

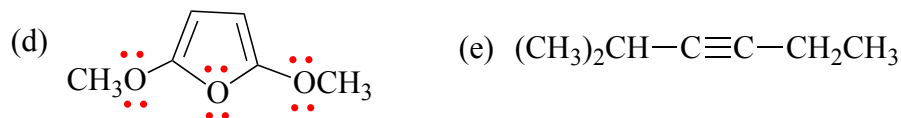
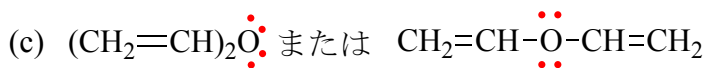
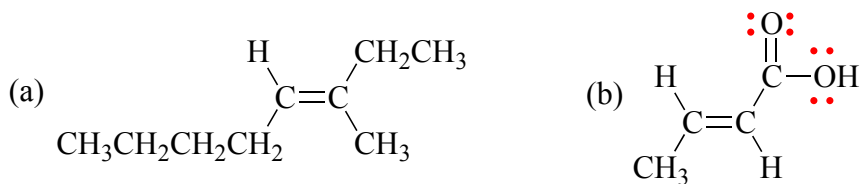




演習問題 1.3



演習問題 1.4



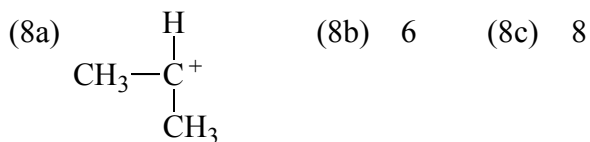
問 1.6

(6a) Cl (6b) 塩化物 (6c) *t*-ブチル (カルボ)

問 1.7

(7a) 4 (7b) 6 (7c) 7 (7d) 8

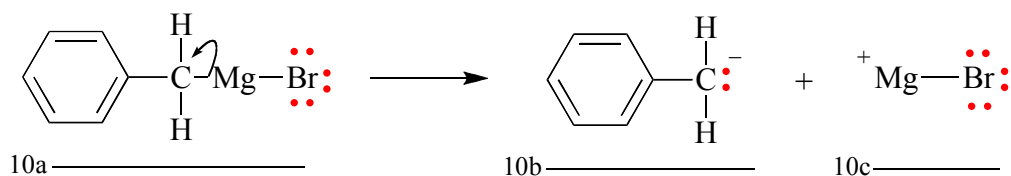
問 1.8



問 1.9

(9a) 非共有 (9b) 3 (9c) 4 (9d) 2 (9e) 6 (9f) -1
(9g) ヘリウム

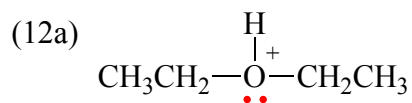
問 1.10



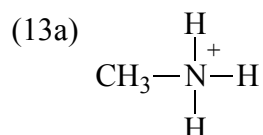
問 1.11

(11a) 1 (11b) 3 (11c) 6 (11d) 2 (11e) 6 (11f) +1

問 1.12



問 1.13



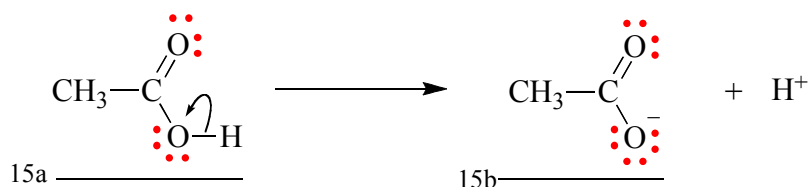
(13b) 非共有電子対 (13c) オクテット (13d) 5 (13e) 8 (13f) +1

問 1.14

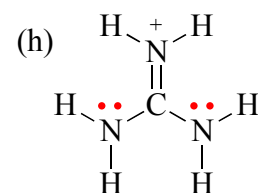
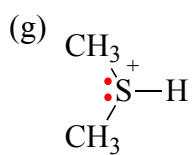
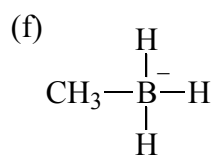
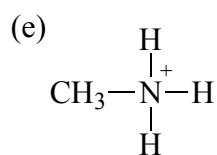
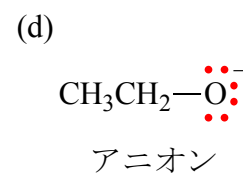
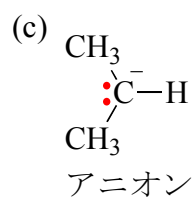
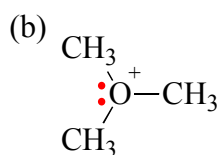
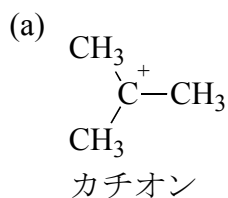


(14c) 8 (14d) オクテット (14e) 6 (14f) 6 (14g) 2 (14h) -1

問 1.15

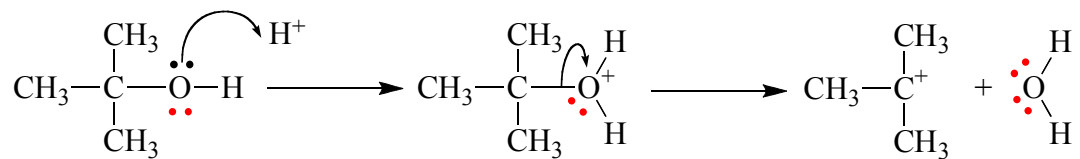


演習問題 1.5

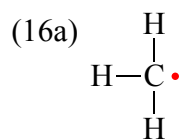


オクテットを満たしていない原子 : (a) の C⁺

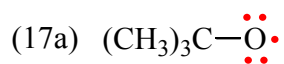
演習問題 1.6



問 1.16



問 1.17



演習問題 1.7

