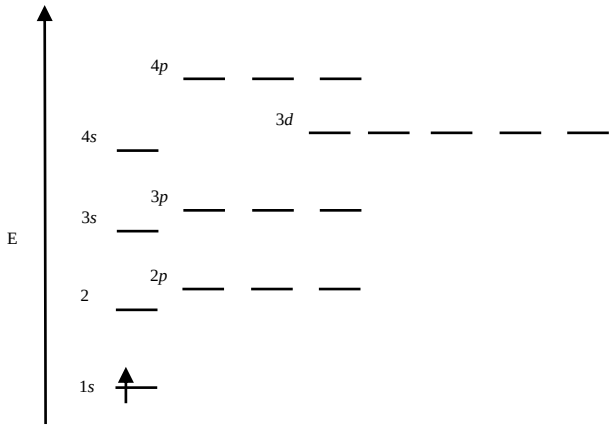
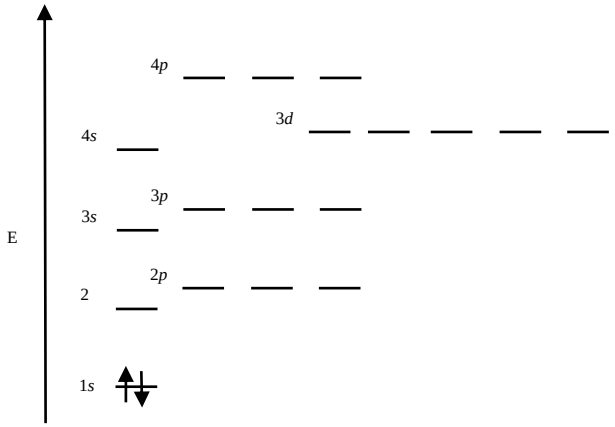
# 1. Løsningsforslag til oppgaver til atomteori.

1. $1s^1$
2. Energidiagram

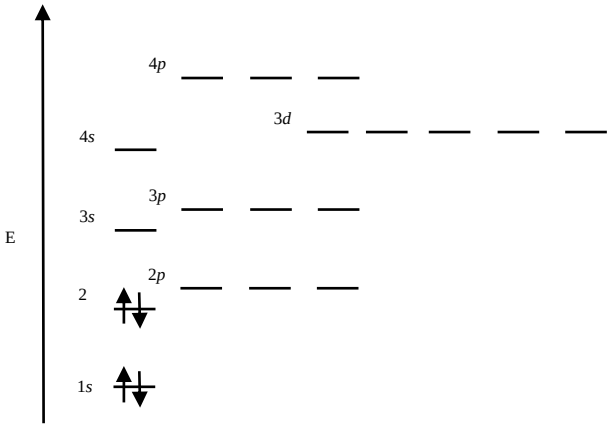



3. $1s^2$
4. Energidiagram



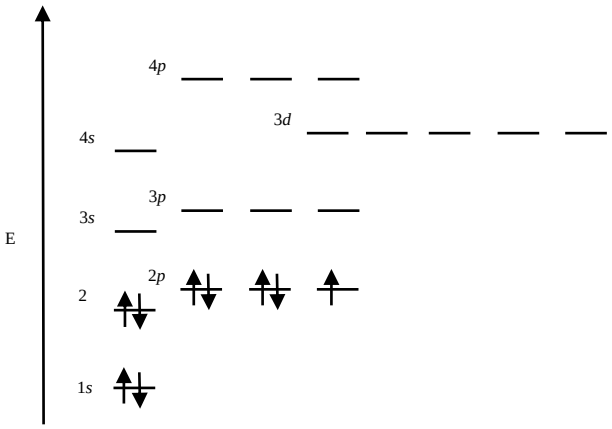

5. $1s^2 2s^2$ evt. $[He]2s^2$

6. Energidiagram



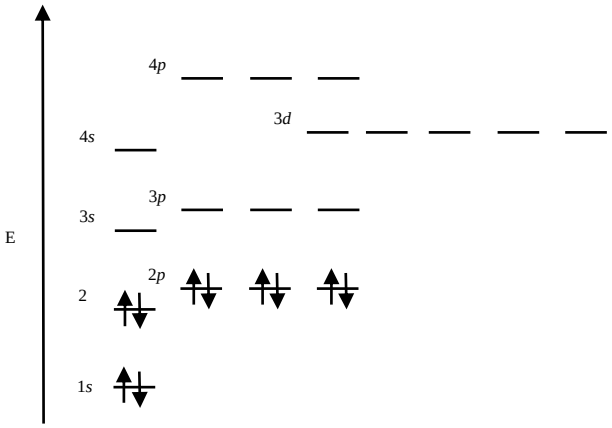

7. $1s^2 2s^2 2p^5$ evt. $[He]2s^2 2p^5$.

8. Energidiagram.



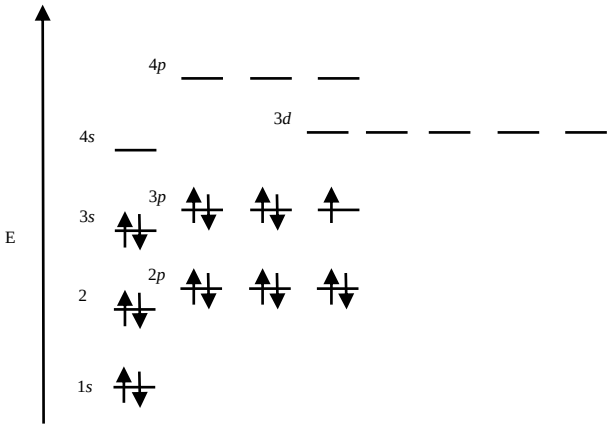

9. $1s^2 2s^2 2p^6$ evt. $[He]2s^2 2p^6$.

10. Energidiagram.




11. $1s^2 2s^2 2p^6 3s^2 3p^5$ evt. $[Ne]3s^2 3p^5$.

12. Energidiagram.




13. Oksygen (O)

14. Oksygen (O)

15. Neon (Ne)

16. Svovel (S)

17. Svovel (S)

18. Nitrogen (N)

19. Fluor (F)

20. Bor (B)

21. Argon (Ar)

22. Neon (ne), $1s^2 2s^2 2p^6$ evt $[He]2s^2 2p^6$.

23. Natrium (Na), $1s^2 2s^2 2p^6 3s^1$ evt $[Ne]3s^1$.

24. Lithium (Li), $1s^2 2s^1$evt. $[He]2s^1$.

25. Magnesium (Mg), $1s^2 2s^2 2p^6 3s^2$ evt $[Ne]3s^2$.

26. Fosfor (P), $1s^2 2s^2 2p^6 3s^2 3p^3$ evt $[Ne]3s^2 3p^3$.

27. Karbon (C), $1s^2 2s^2 2p^2$ evt $[He]2s^2 2p^2$.

28. Oksygen (O), $1s^2 2s^2 2p^4$ evt $[He]2s^2 2p^4$.

29. Argon (Ar), $1s^2 2s^2 2p^6 3s^2 3p^6$ evt $[Ne]3s^2 3p^6$.

30. Hydrogen (H), $1s^1$.