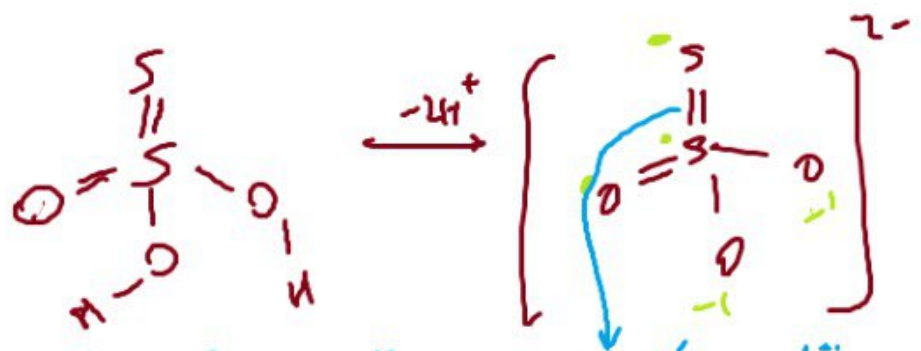
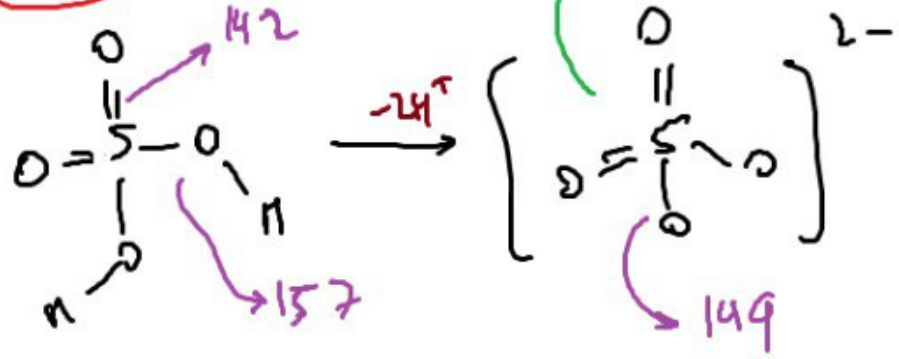
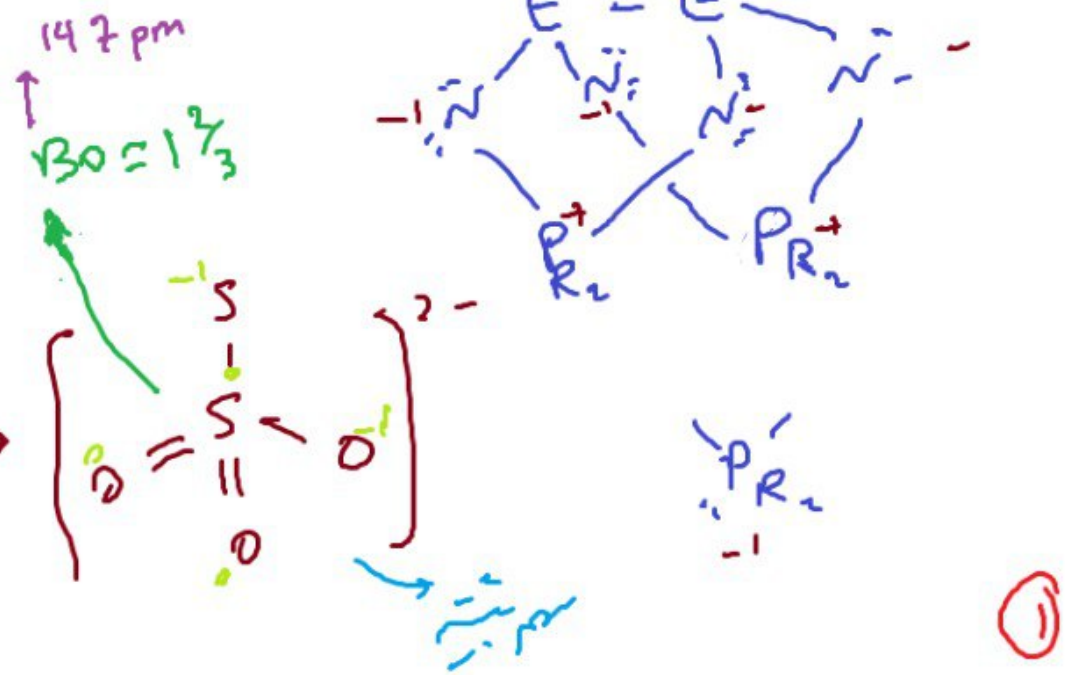


3 → 2



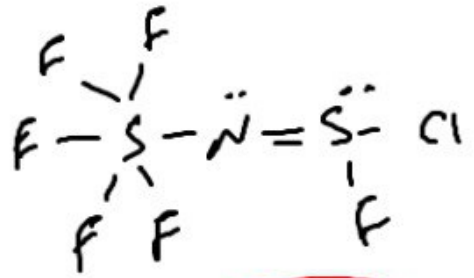
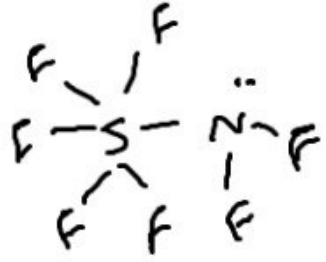
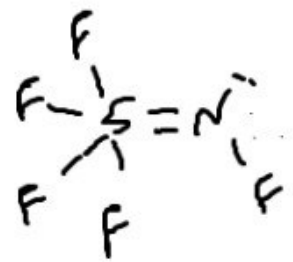
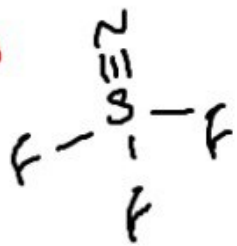
پرونده کتاب در سوم به بعد با خود ستاخ. صحیف است

4 → 3

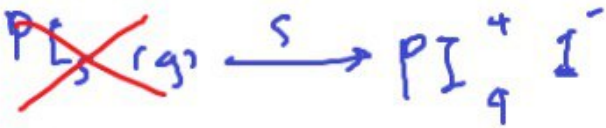
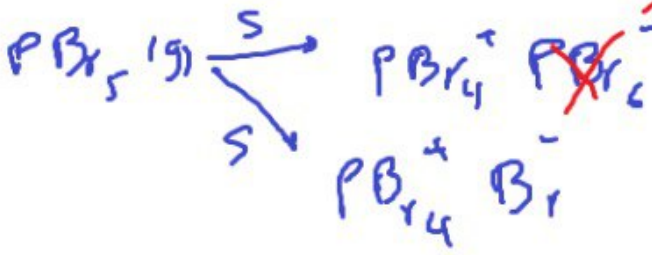


1

5 → 2



7 → 4



افضل خيار

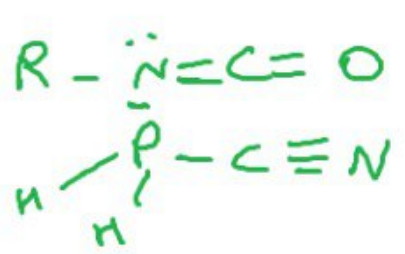
8 → 2



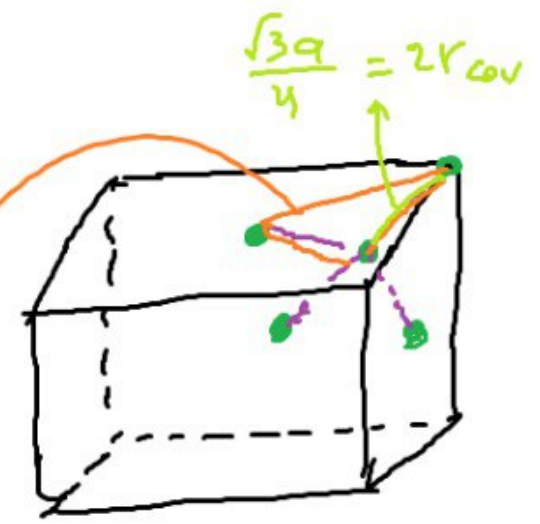
$$\frac{4 \times 2 + 22 \times 3}{2} = 37$$

2

11 → ب



14 →

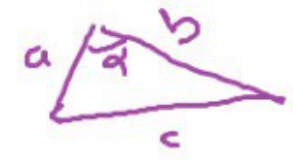


13 → الف

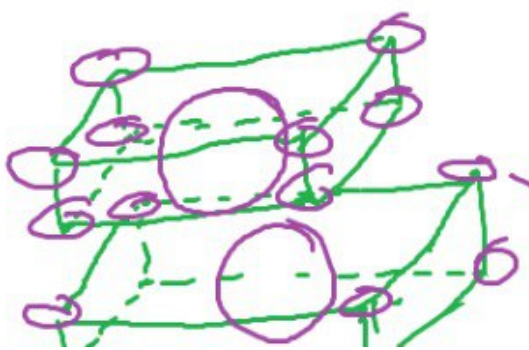
$$A_5 : 6 \times 4 = 24$$

$$S : 8 \times \frac{1}{8} + 12 \times \frac{1}{4} + 6 \times \frac{1}{2} + 1 = 8 \quad \left. \vphantom{S} \right\} \rightarrow 1:3$$

$$c^2 = a^2 + b^2 - 2ab \cos \alpha$$

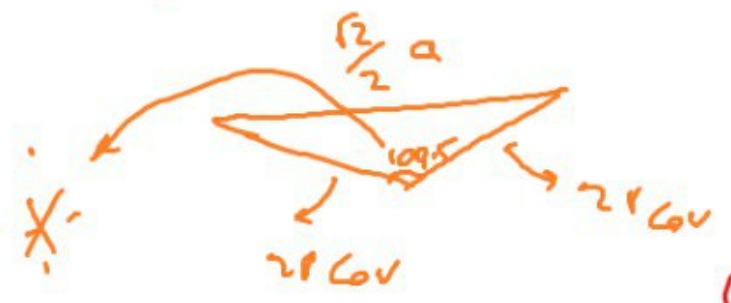


15 → ج



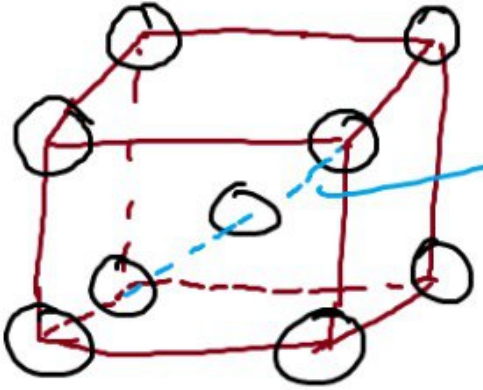
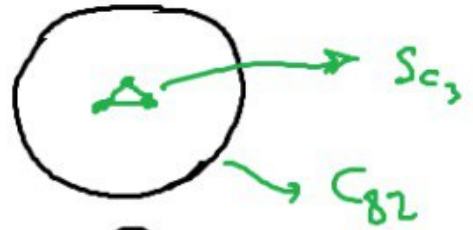
109.47

$$\frac{1}{4} \rightarrow 8 \times \frac{1}{4} = 2$$



3

الف → 18



$\sqrt{3}a = 4r = 2d$

21 → -

mp/°C
bp/°C

| | | | | |
|-------|-------------------|--------------------|--------------------|--------------------|
| | <chem>SOF2</chem> | <chem>SOFCI</chem> | <chem>SOCl2</chem> | <chem>SOBr2</chem> |
| mp/°C | -110 | -120 | -101 | -50 |
| bp/°C | -44 | +12 | +76 | +140 |

$$\rho = \frac{2 \left(\frac{82 \times 12 + 3 \times 45}{N_A} \right)}{\left(\frac{2}{\sqrt{3}} a \right)^3} = 3.2 \frac{g}{cm^3}$$



ان → 19

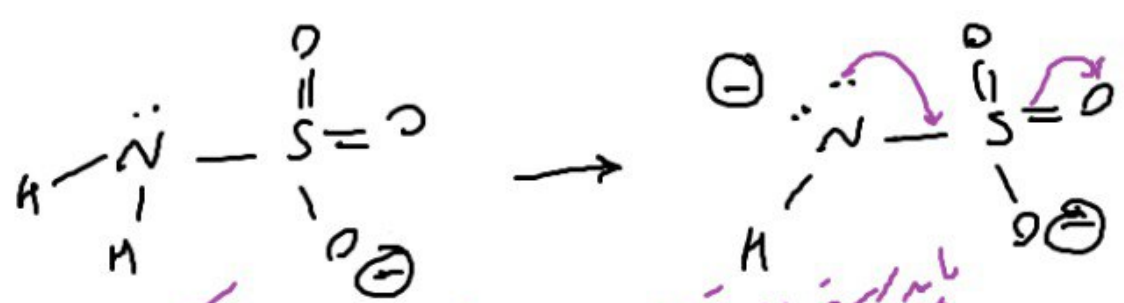
$$\rightarrow 8 \times \frac{1}{2} + 4 \times \frac{1}{2} + 1 \times 1 = 4$$

الف → 22

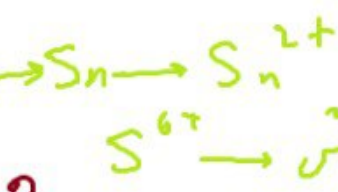
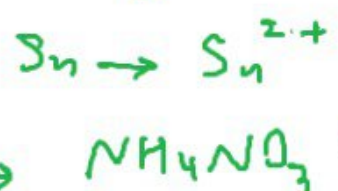
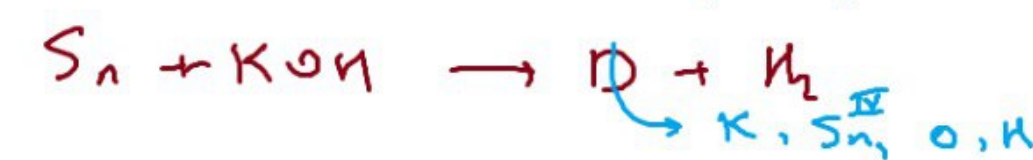
| | |
|------------------|-------------------------|
| | K_w |
| <chem>H2O</chem> | 10^{-14} |
| <chem>D2O</chem> | 2×10^{-15} |
| <chem>T2O</chem> | 6×10^{-16} (4) |

24 → ب

آب
 اونیتر
 سولفوریک اسید
 آمونیاک



27 → ب

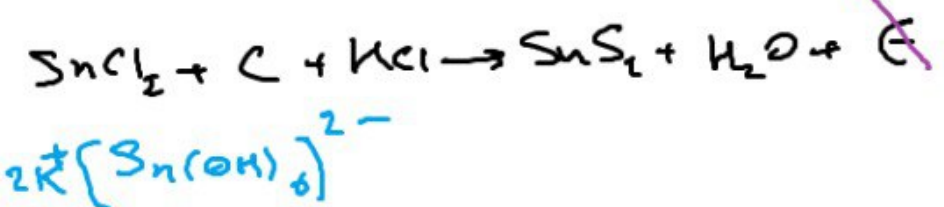


28 → 2

29 → ان

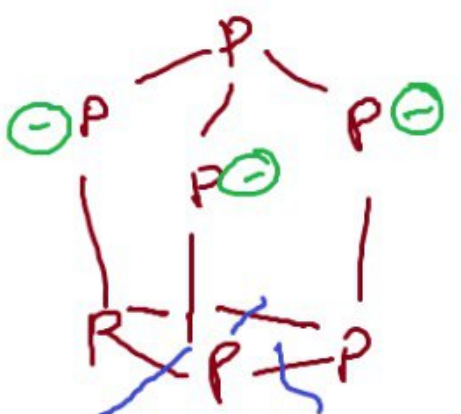
30 → ب

SO₂ ✓
 H₂S

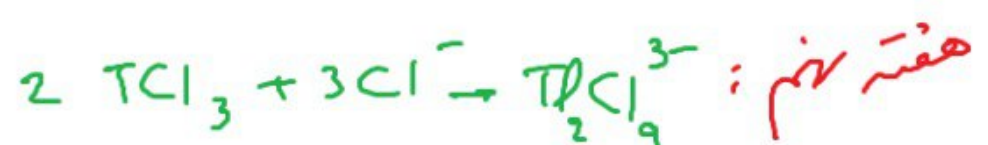
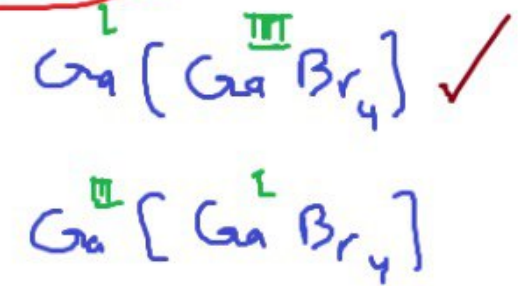


SnCl₄ (5)

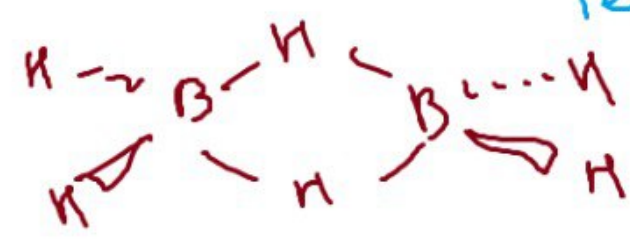
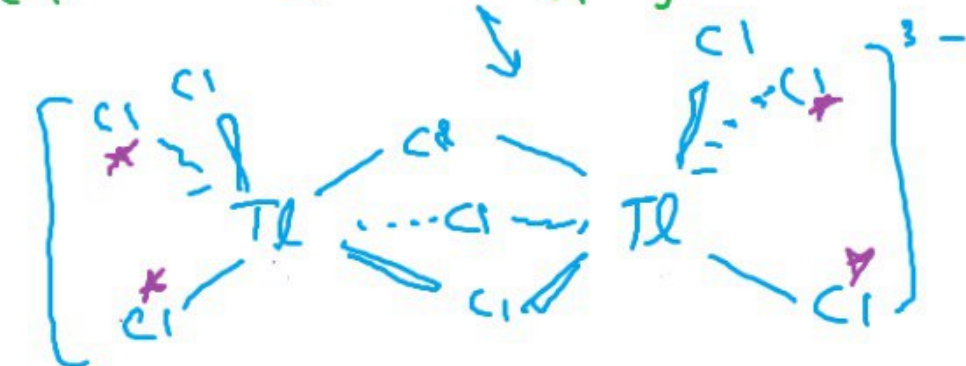
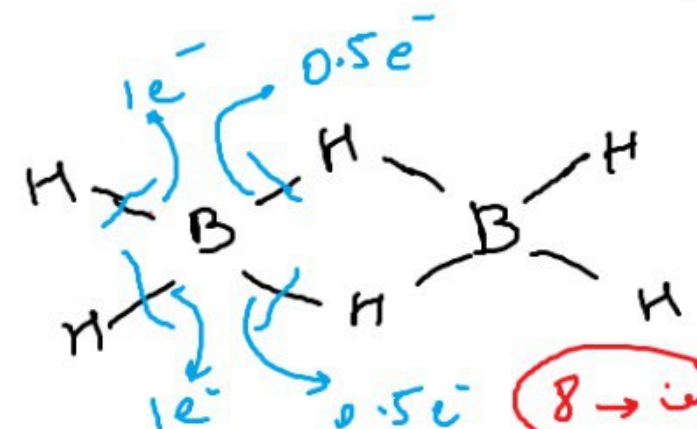
4 → انت



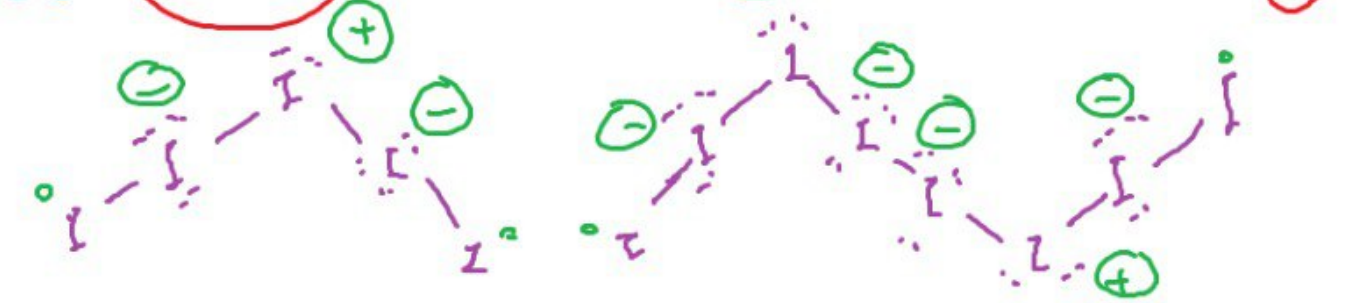
5 → 5



6 → د



8 → انت



14 → 2

○ (H₂O) : (6 × 4) $\frac{1}{2}$ = 12

16 → ?

● (4PF₆) : 8 × $\frac{1}{8}$ + 1 × 1 = 2



n = 0.2

x mol Cl₂⁻
1.2 - 2x mol Cl⁻ } → x + (1.2 - x) = 1

23 → 2

✓ محولہ تعداد پروٹون و نیوٹرونز نوبل ہندسہ سے

پلیٹارٹن

پروٹونز

✓ محولہ تعداد نوبل 2 اور 5 برابر ہے۔ جسے پلیٹارٹن

6 He 7 He 8 He 9 He 10 He

t_{1/2} 807ms 2.57 × 10⁻²¹ s 119ms 2.57 × 10⁻²¹ s 3.1 × 10⁻²¹ s

18 → 1

8