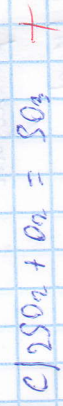
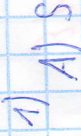
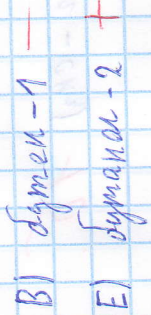
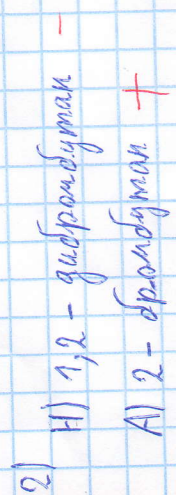
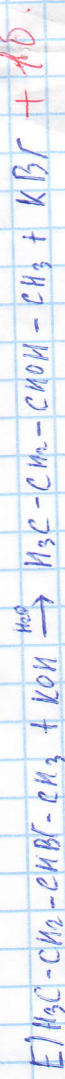
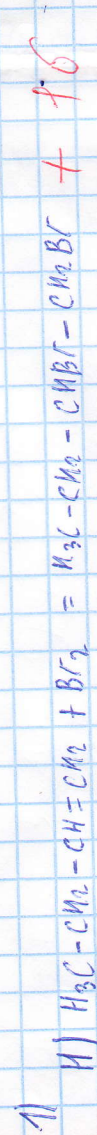
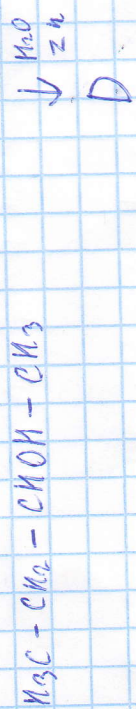
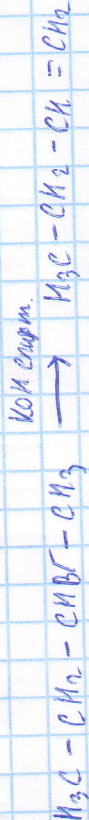
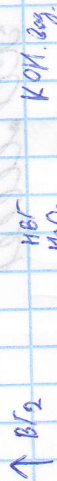
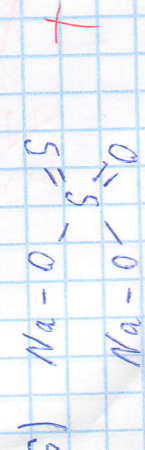
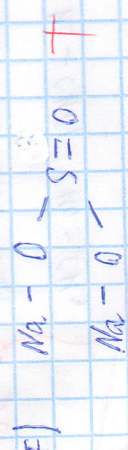
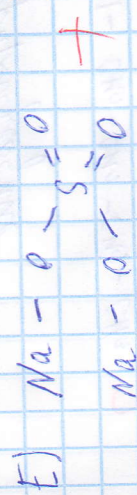


X-10-1



2)



68

70

38

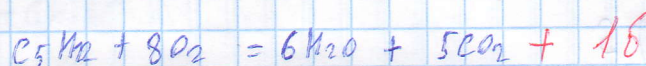
N5

A - н-пентан ($\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3$) 1б.

Дано:

$$m(\text{H}_2\text{O}) = 432 \text{ г}$$

Решение:



$$n(\text{H}_2\text{O}) = \frac{m(\text{H}_2\text{O})}{M(\text{H}_2\text{O})} = \frac{432}{18} = 24 \text{ моль}$$

$$n(\text{C}_5\text{H}_{12}) = ?$$

По уравнению реакции:

$$6n(\text{C}_5\text{H}_{12}) = n(\text{H}_2\text{O})$$

$$n(\text{C}_5\text{H}_{12}) = \frac{n(\text{H}_2\text{O})}{6} = \frac{24}{6} = 4 \text{ моль}$$

Ответ: 4 моль

2б.

При ~~о~~ хлорировании н-пентана могут образоваться 3 моноклорпроизводные

- 1-хлорпентан $\text{CH}_2\text{Cl}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3$
- 2-хлорпентан $\text{CH}_3-\text{CHCl}-\text{CH}_2-\text{CH}_2-\text{CH}_3$
- 3-хлорпентан $\text{CH}_3-\text{CH}_2-\text{CHCl}-\text{CH}_2-\text{CH}_3$

3б.

7б.