- B) reagent for the production of fertilizers;
- C) fungicide;
- D) reagent for the production of synthetic detergents;
- E) defoliant.

35. The composition of the condensed sodium phosphate corresponds to the formula:

- A) NaNH₄HPO₄·6H₂O;
- B) NaH₂PO₄;
- C) $Na_4P_2O_7$;
- D) $Na_2HPO_4 \cdot 7H_2O$;
- E) Na₃PO₄.

36. The main stages of the technology for producing sodium tripolyphosphate:

- A) mixing, filtering the solution, neutralization, drying;
- B) solution filtration, drying, neutralization, calcination;
- C) drying, calcination, solution filtration, neutralization;
- D) neutralization, solution filtration, drying, calcination;
- E) neutralization, purification, calcination, drying.

37. The main reaction of the technology for producing sodium pyrophosphate:

- A) $NaH_2PO_4 = NaPO_3 + H_2O$;
- B) $2Na_2HPO_4 = Na_4P_2O_7 + H_2O_7$;
- C) $2H_3PO_4 + 4NaCl = Na_4P_2O_7 + 4HCl + H_2O$;
- D) $H_3PO_4 + Na_2CO_3 = Na_2HPO_4 + CO_2 + H_2O$;
- E) $2Na_2HPO_4 + NaH_2PO_4 = Na_5P_3O_{10} + H_2O$.

38. The main stages of obtaining sodium tripolyphosphate:

- A) neutralization of soda \rightarrow drying \rightarrow calcination;
- B) decomposition \rightarrow filtration \rightarrow drying \rightarrow sieving \rightarrow crushing \rightarrow packaging \rightarrow finished product;
 - C) neutralization of H_3PO_4 with soda ash \rightarrow filtration \rightarrow drying \rightarrow calcination;
 - D) decomposition \rightarrow filtration \rightarrow washing \rightarrow drying;
 - E) ammonization \rightarrow carbonization \rightarrow filtration \rightarrow drying \rightarrow calcination \rightarrow finished product.

39. Sodium pyrophosphate decahydrate as the main component contains:

- A) $Ca_2B_6O_{11}\cdot 10H_2O$;
- B) Na₂B₄O₇·10H₂O;
- C) $Mg_2B_2O_5$: $10H_2O$;
- D) Na₄P₂O₇·10H₂O;
- E) $Ca_4B_{10}O_{19} \cdot 10H_2O$.

40. The raw materials for the production of sodium pyrophosphate are:

- A) H₂SO₄, Na₂CO₃;
- B) H₃PO₄, K₂CO₃;
- C) H₃PO₄, Na₂CO₃;
- D) H₃PO₃, Na₂SO₄;
- E) HNO₃, Na₂CO₃.

41. In the technologies of baking, artificial yeast, cheese and sausage production, in the cement industry and drilling equipment, in the production of synthetic rubber as raw materials are used:

A) potassium hydroxide;