

62. The content of P_2O_5 in apatite concentrate is:

- A) 24-26%;
- B) 65.4-68.6%;
- C) 80.5-90.6%;
- D) 39.4-42.6%;
- E) 45-65%.

63. In the electric distillation of natural phosphorites as the main product is obtained:

- A) ferrophosphorus;
- B) red phosphorus;
- C) phosphoreum;
- D) white phosphorus;
- E) yellow phosphorus.

64. The use of phosphorus slag to obtain cement becomes impossible due to the presence in it:

- A) P_2O_5 ;
- B) Sr;
- C) Pb;
- D) V_2O_5 ;
- E) As.

65. The composition of the host rock of Karatau phosphorites includes the mineral:

- A) chalcocite;
- B) dolomite;
- C) muscovite;
- D) chrysocolla;
- E) smithsonite.

66. The modern method of processing fine phosphate raw materials is:

- A) agglomeration;
- B) briquetting;
- C) flotation;
- D) roasting (burning);
- E) segregation.

67. For the production of phosphoric acid from phosphorites by extraction (sulfuric) method, the minimum content of P_2O_5 must correspond to:

- A) 34%;
- B) 24%;
- C) 18%;
- D) 35%;
- E) 29%.

68. Rich phosphorite ores of the Karatau basin contain P_2O_5 in the amount of:

- A) 35-55 %;
- B) 38-40 %;
- C) 28-30 %;
- D) 70-80%;
- E) 92-95%.