

73. Before supplying the roasting gas of sulfuric acid production to the contact apparatus it is necessary to extract valuable impurities from it:

- A) lead, zinc;
- B) arsenic, fluorine;
- C) selenium, tellurium;
- D) chromium, manganese;
- E) gold, silver.

74. Scope of selenium:

- A) light industry;
- B) the textile industry;
- C) electronic industry;
- D) pharmacy;
- E) metallurgy.

75. The process of selenium extraction in the production of sulfuric acid consists of three stages:

- A) firing of raw materials → production of SO_2 → purification and drying of sulfur dioxide → absorption of SO_2 to sulfur dioxide;
- B) absorption of SO_2 from the burning gas by sulfuric acid → reduction of SO_2 to elemental sulfur → emission of particles of elemental sulfur from sulfuric acid;
- C) absorption of SeO_2 from the calcining gas by sulfuric acid → reduction of SeO_2 to elemental selenium → separation of particles of elemental selenium from sulfuric acid;
- D) firing of secondary raw materials → production of SO_2 → purification and drying of gas → absorption of SO_2 → evaporation and concentration of sulfuric acid;
- E) firing of mineral raw materials → production of SO_2 → oxidation of SO_2 to SO_3 → absorption of SO_3 → evaporation and concentration → cooling of the product.

76. The content of selenium in poor selenium sludge of sulfuric acid production is:

- A) up to 5%;
- B) up to 15%;
- C) up to 25%;
- D) up to 40%;
- E) up to 35%.

77. At what stage are the off-gases produced in the production of H_2SO_4 obtained by the contact method:

- A) absorption of SO_3 ;
- B) dry gas cleaning;
- C) firing of pyrite;
- D) cooling the acid;
- E) oxidation of SO_2 to SO_3 .

78. Solid waste production of sulfuric acid obtained by the contact method is:

- A) ferrophosphorus;
- B) gypsum;
- C) cinder;
- D) sludge;
- E) phosphogypsum.