

59. In the production of contact sulfuric acid, the following types of filters are used for cleaning from spray and fog:

- A) mesh;
- B) sleeve;
- C) pressing;
- D) teflon;
- E) porolithic.

60. In the production of contact sulfuric acid, which catalyst is used:

- A) WS_2 ;
- B) MoS_2 ;
- C) V_2O_5 ;
- D) NiO ;
- E) WO_3 .

61. In sulfuric acid production, contact poisons poisoning a vanadium catalyst are:

- A) S, H_2S ;
- B) Se, Te;
- C) NH_3 , HCl;
- D) As, F;
- E) NH_3 , H_2S .

62. The role of the catalyst in the production of sulfuric acid is:

- A) maintaining the process temperature;
- B) a decrease in the concentration of sulfur dioxide;
- C) accelerating the oxidation of sulfur dioxide;
- D) stabilization of pressure in the reactor;
- E) an increase in the activation energy.

63. The processing method of sulfur dioxide by sulfuric acid, in which oxides of nitrogen (nitrosa) are dissolved, is called:

- A) ammonia;
- B) sulfate;
- C) sulfite;
- D) nitrous;
- E) sulfide.

64. Oleum composition corresponds to the formula:

- A) $SO_3 \cdot 1.5H_2O$;
- B) $SO_3 \cdot 3.5H_2O$;
- C) $SO_3 \cdot H_2O$;
- D) $0.5SO_3 \cdot 2.5H_2O$;
- E) $1.5SO_3 \cdot H_2O$.

65. In the production of sulfuric acid by the contact method, the following is obtained as a product:

- A) cinder;
- B) sludge;
- C) oleum;
- D) trona;
- E) potash.