

**13. The main indicators of the electrochemical process:**

- A) product yield, reagent concentration, energy coefficient;
- B) current output;
- C) reagent concentration, current efficiency;
- D) product concentration, degree of conversion;
- E) the degree of purity of the product, the degree of use of electricity, expenditure coefficient for electricity.

**14. Main indicators of the electrochemical process:**

- A) product yield, reagent concentration, power factor;
- B) product concentration, degree of transformation;
- C) the degree of purity of the product, the degree of use of electricity, the power consumption coefficient;
- D) the extent to which electricity is used;
- E) electricity selectivity.

**15. Main indicators of the electrochemical process:**

- A) reagent concentration, current output;
- B) product concentration, degree of transformation;
- C) the degree of purity of the product, the degree of use of electricity, the power consumption coefficient;
- D) power consumption coefficient;
- E) electricity selectivity.

**16. The Faraday number is:**

- A) the amount of electricity required to produce 1 kg of a substance;
- B) the amount of electricity needed to produce a unit of substance;
- C) the amount of electricity required to produce 1 g-eq. substances;
- D) the amount of electricity needed to carry out the process;
- E) the ratio of theoretical energy consumption to practical consumption.

**17. The Faraday number is:**

- A) the amount of electricity required to produce 1 kg of a substance;
- B) the amount of electricity needed to produce a unit of substance;
- C) the amount of electricity needed to carry out the process;
- D) physical quantity equal to 96,485.33 (83) coulomb · mol<sup>-1</sup>;
- E) a physical quantity that depends on the charge on the electrode.

**18. The Faraday number is:**

- A) the amount of electricity needed to produce 1 kg of a substance;
- B) the amount of electricity needed to produce a unit of substance;
- C) the amount of electricity needed to carry out the process;
- D) the ratio of theoretical energy consumption to practical consumption;
- E) a physical quantity equal to the product of the Avogadro number and the elementary charge of the electron.

**19. According to the second law of Faraday when passing the same amount of electricity through various electrolytes, the amount of substance obtained by electrolysis is directly proportional to:**

- A) the amount of electricity;
- B) electric current;
- C) electrolyte area;