

TEST TASKS

1. Advantages of cryolite as a solvent for alumina in aluminum production:

- A) dissolves alumina;
- B) gives alloys with alumina whose melting point is much higher than the melting point of pure alumina;
- C) poorly dissolves alumina;
- D) contains many positive ions, in addition to aluminum;
- E) forms a stable alloy with alumina.

2. Advantages of cryolite as a solvent for alumina in aluminum production:

- A) gives alloys with alumina whose melting point is much higher than the melting point of pure alumina;
- B) gives alloys with alumina whose melting point is much lower than the melting point of pure alumina;
- C) poorly dissolves alumina;
- D) contains many positive ions, in addition to aluminum;
- E) dissolves aluminum well.

3. Advantages of cryolite as a solvent for alumina in aluminum production:

- A) gives alloys with alumina whose melting point is much higher than the melting point of pure alumina;
- B) does not contain more positive ions than aluminum;
- C) poorly dissolves alumina;
- D) contains many positive ions, in addition to aluminum;
- E) forms a stable alloy with alumina.

4. Specify how impurities affect Al properties:

- A) significantly degrade mechanical properties;
- B) contribute to the strengthening of forging;
- C) promote wear resistance;
- D) contribute to reducing brittleness;
- E) contribute to increased elasticity.

5. Indicate how impurities affect the properties of Al:

- A) contribute to the reduction of fragility;
- B) contribute to the strengthening of forging;