

CHEM-E6165 UNIT PROCESSES IN PYROMETALLURGY

29.2.2024

Exam questions

1. How can different chemical reactions between different phases in pyrometallurgical unit processes be manipulated (enhance, slow down, control)?
2. If you should select/design a unit process for gas-solid reaction, what aspects you should consider?
3. What kinds of roles or tasks do gases (as an input material) have in pyrometallurgical unit processes?
4. How do different metals end up in slags? How this could be avoided/minimized?
5. Describe the aspects you should consider when planning/performing experiments using thermogravimetric analysis and the information that can be obtained from such studies.