Exercise 1. For following oxides, write down the defect formation processes (Schottky, Anti-Schottky, Frenkel, Antti-Frenkel) and suitable reaction constant for each:

- Cu₂O
- TiO₂

Exercise2. For Cr₂O₃, write defect formation processes (and reaction constants) assuming nonstochiometry of compounds. Take under consideration all possible cases:

- Excess of a metal (Me_{n+y}X_m)
- Shortage of an oxidant (Me_nX_{m-y})
- \circ Shortage of a metal (Me_{n-y}X_m)
- Excess of an oxidant (Me_nX_{m+y})