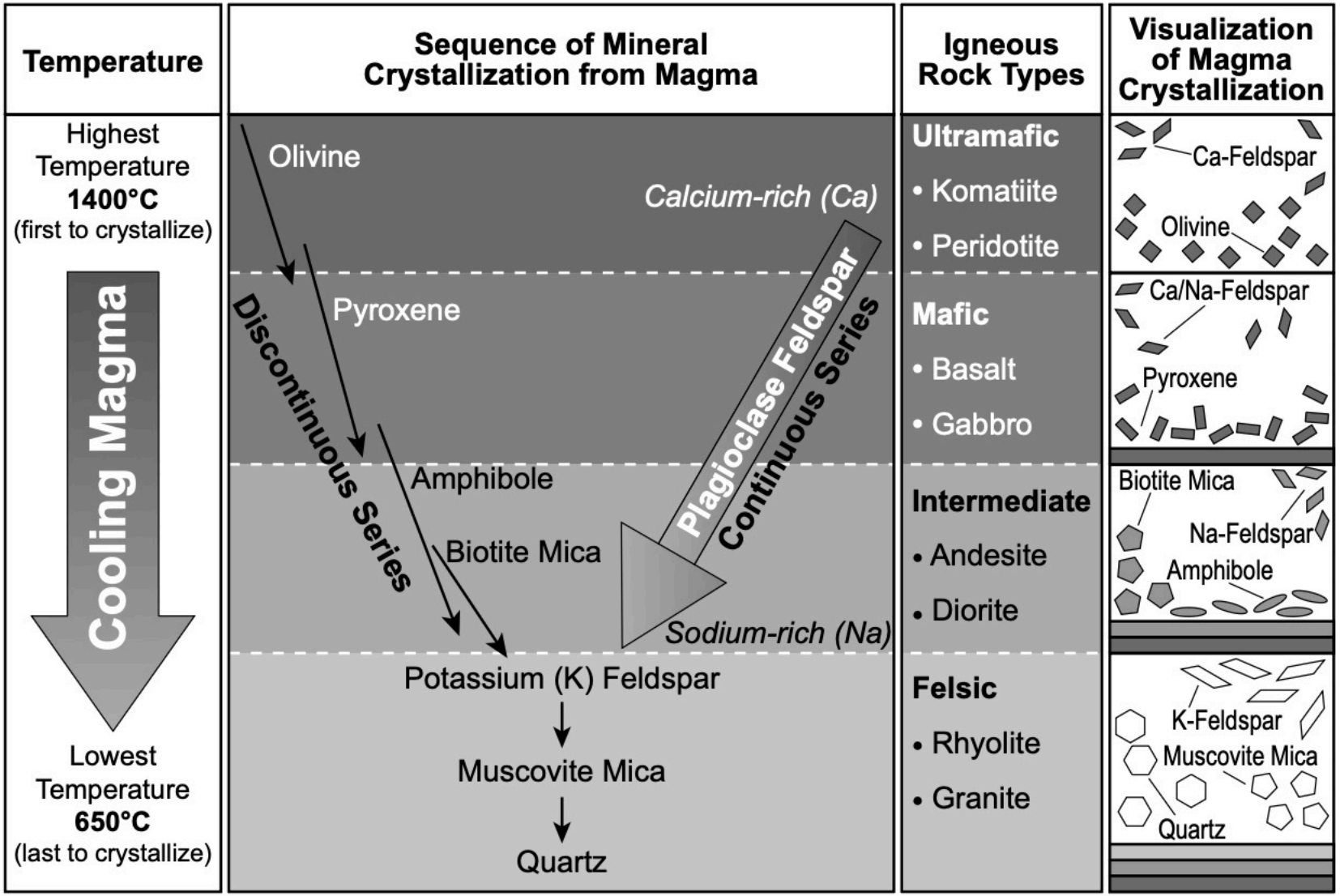Model of Bowen's Reaction Series