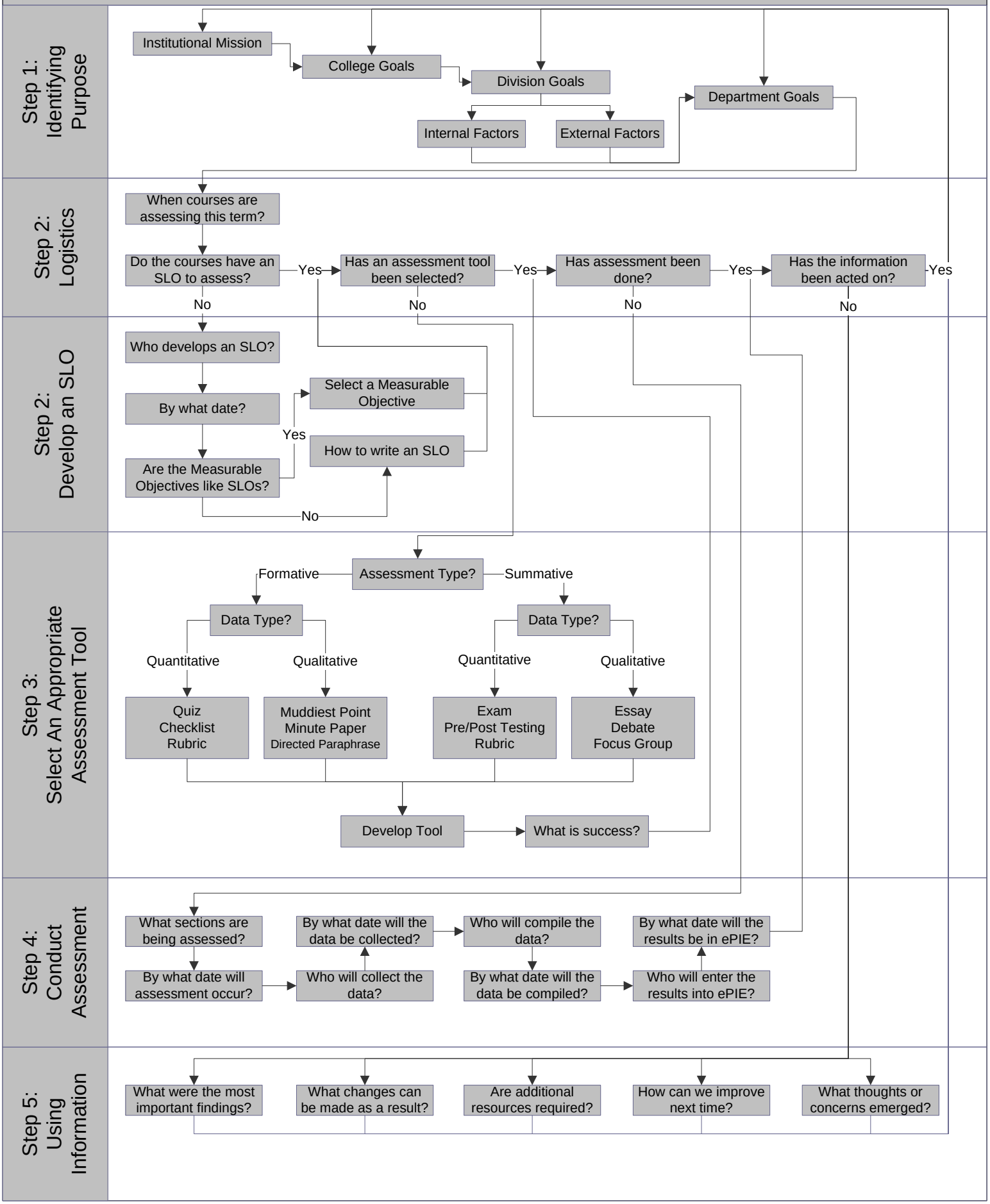Achieving actionable outcomes information for the improvement of teaching and learning