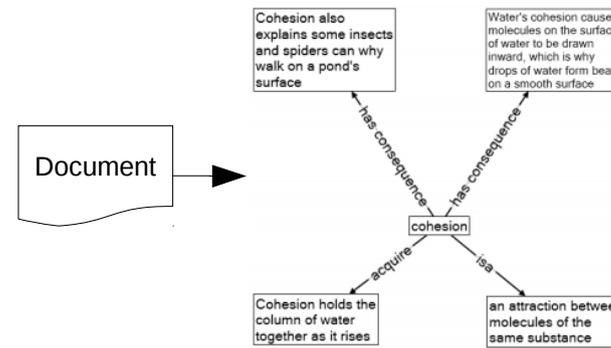
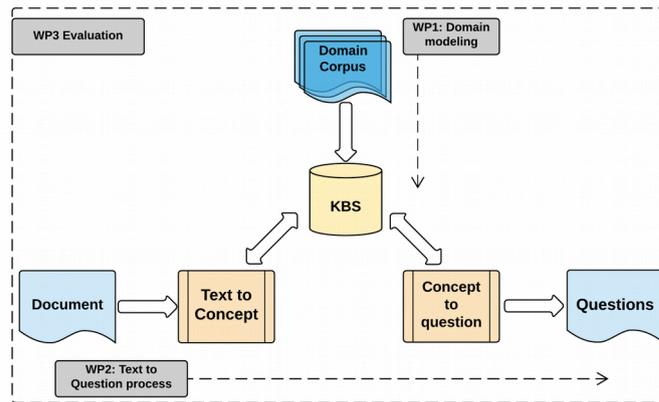


Implementation of a Question Generation System to Promote Critical Reading in STEM Education



Input: Enzymes are proteins that act as biological catalysts. Hemoglobin is the protein in red blood cells that carries oxygen. Enzymes are proteins.

Question: Is that true for hemoglobin?

- Generation of content-dependent deep questions to support critical reading in the Biology Domain:
 - Setting the foundations for the generation of pedagogically relevant questions and for the representation of the domain specific knowledge.
 - Building a QG system that generates deep question relying on the most advanced NLP methods (Information extraction, knowledge-adquisition, natural language generation etc.)
 - Performing a series of evaluations to measure the appropriateness of the approach.
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