

## DEFINITION AND DESCRIPTION

Inquiry-based learning (IBL) is a pedagogical approach in which students start from a question, investigate the solutions, reflect, and communicate findings, and create new knowledge based on the collected evidence (National Research Council, 2000).

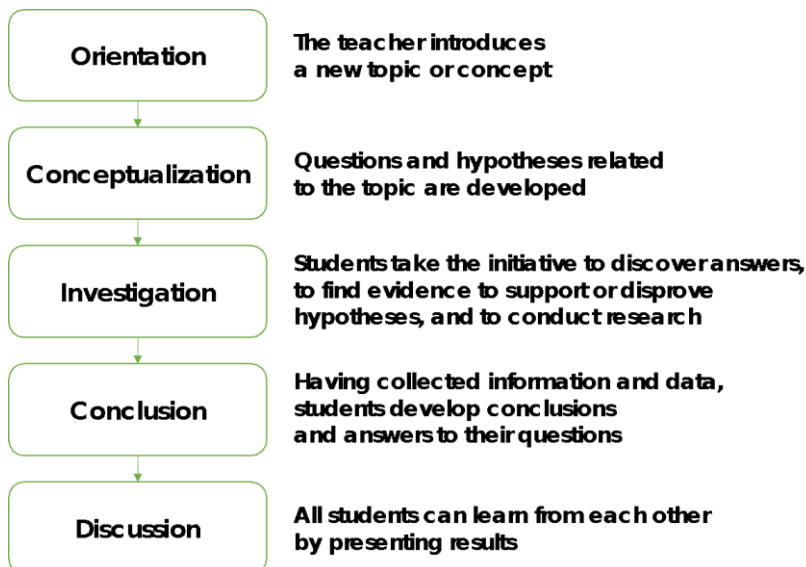
Inquiry-based learning methodology consists in five different phases that could be summarized in the workflow below.

## BENEFITS

1. Increased likelihood of deep learning, knowledge retention and recall of students (Hale, 2006)
2. Students' higher engagement, enthusiasm, and motivation in the lecture
3. Preparing students to become lifelong learners (Preston et al., 2015)

## CHALLENGES

1. Highly-time and resource-intensive approach for educators (Preston et al., 2015)
2. Demanding of students (Bache and Hayton, 2012)
3. Wrong students' perceptions of the quality of learning (Deslauriers et al., 2019).



## REFERENCES

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