Photosynthesis: Light Dependent Reactions

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Out of Class

In Class (Instructor)

In Class (Students)

- Individual Work
- Work in Groups
- Whole Class
- Reading
- Research
- Problem Solving
- Discussion
- Peer-Review
- Instructor Evaluation
- Present
- Quiz

Begin Here.

Assigned reading - students review key concept handout in advance.

Students view online videos relating to the light dependent reactions of photosynthesis and photosynthetic pigments.

Students answer an online quiz individually.

Begin by reviewing the key concepts and addressing any issues relating to the quiz.

Introduce the activity, divide students into groups of 3-4 and give them the activity.

Students answer the provided multiple choice questions individually to test level of understanding. Answers can be submitted using a computer, clicker, or paper.

Groups discuss and agree upon answers to the questions in their handout and record their answers on a piece of paper.

Groups exchange answer sheets and grade each other's work (out of 10).

The answers to the activity questions are reviewed with the class.

The instructor will provide an additional grade for their performance grading their peers (out of 5).

The instructor presents a short set of multiple choice clicker questions.

Students individually answer the multiple choice questions (approx 3 minutes each).

Optional: If fewer than 70% of students correctly answer a question, groups can discuss and submit their collective answer.