

PIGMENT DRIVEN SOLAR BATTERY

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Team 10

BACKGROUND

Advantage

- Materials are cheap.
- Easy to create various shapes.

Disadvantage

- Difficult to use it for a long time.
- Power generation efficiency is poor.

➔ Finding conditions with good power generation efficiency!

Experiment①

- ▶ Using **blueberry** and **strawberry**.
(Concentration are 100%.)
- ▶ Apply light for 5 minutes and measure voltage every 30 seconds.

Experiment②

- ▶ Measuring concentration of **blueberry juice**(100%,50%,25%).
- ▶ Apply light for 5 minutes and measure voltage every 30 seconds.

RESULT

Experiment①

Blueberry juice produces a higher voltage.

Experiment②

A high concentration produces a higher voltage.

Summary

- ▶ When the amount of pigment contained in the juice is large, there is an increase in power generation.

