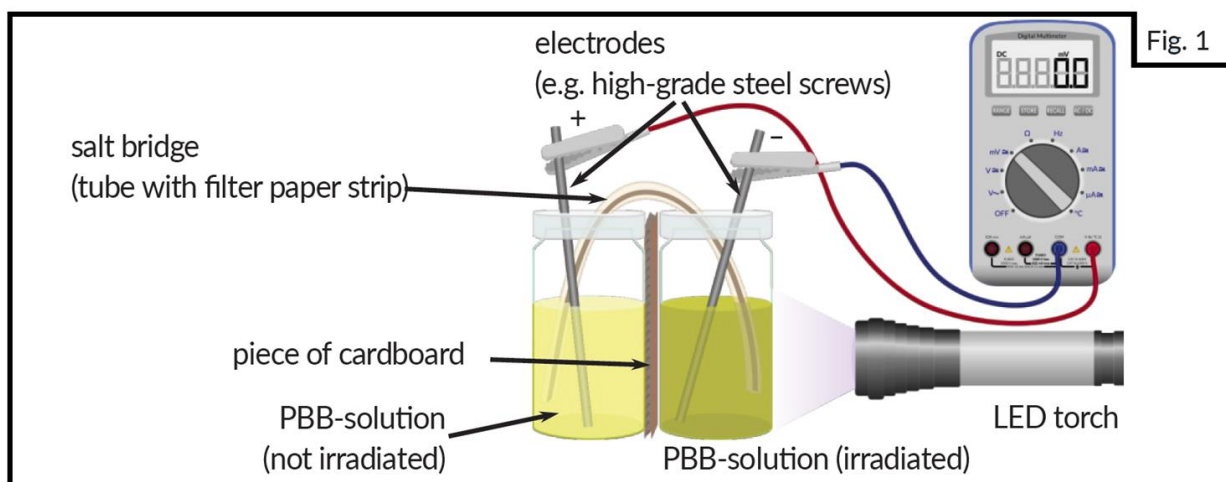


**Does the blue compound contain usable energy?**  
**Energy conversion and energy storage in the photo-blue-bottle experiment**



**E1**

Following fig. 1, set up the experiment and switch on the LED torch. Irradiate only one vial! **(to) irradiate** – (to) treat sth. with light

Observe the voltage and colour for three minutes. Switch off the light and observe another three minutes. Finally, find an answer in explanation of our guiding question (cf. title). **guiding question** – Leitfrage

**E2**

Now move the two vials gently to and fro on the table until the blue solution has turned yellow again. Note down your observations. Find an explanation. **gently** – carefully  
**to and fro** – hin und her