

Methode: Wortgeländer

fachliches Ziel: einzelne Schritte bei der Durchführung der Elektrolyse einer  $ZnI_2$ -Lösung kennenlernen

sprachliches Ziel: Beschreiben der Durchführung einer Elektrolyse

## Experiment: electrolysis of zinc iodide solution

Sketch:

( )  
to apply a  
voltage of 5V

( )  
to fill ... into ...  
zinc iodide solution  
beaker

( )  
to connect ... with  
graphite electrode  
alligator clip

( )  
to put sth. into sth.  
cable  
power supply

( )  
to dip ... into ...  
graphite electrode  
beaker  
filled with

**Work with a partner on the following tasks:**

1. Explain the following terms and write them into the boxes on the left side of the sketch: graphite electrode, zinc iodide solution, power supply, beaker, cable.
2. Discuss with your partner about a reasonable order for the steps described on the right side of the sketch. Write numbers into the brackets to mark the order of the different steps of the procedure.
3. Write down the complete procedure using the words from the right side of the sketch. Also use structuring terms like first... – then... – finally...–
4. Record your observation. You can use the following terms: to turn grey / yellow... – the electrode connected to the positive/ negative pole... –the electrolyte solution near /below...– sth. is deposited on sth.–

Procedure:

Observation: