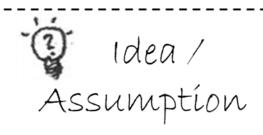


- 1. Form groups of three or four. Cut out the labels of the phases of the research cycle below und the examples on sheet P3b.
- 2. In your group, discuss which example belongs to which phase. Glue the matching phase labels and examples on the copies of sheet P3c, respectively.
- 3. Think of other examples for each phase and note them on the respective sheets P3c.
- 4. Which is the right order of the phases? Order the phases in a circle.





Write down observations



Question

Díscuss results



Document results







Images according to Prof. Dr. Brunhilde Marquardt-Mau included with kind permission from DKJS, © Deutsche Kinder- und Jugendstiftung (DKJS), www.forschendes-lernen.net















Examples

I found that the tap water at home sometimes is shimmering in a slight reddish color when the tap has not been used for some time. I wonder why the water shows that color.

I assume that the water changes its color due to certain small particles from the water pipe. I assume that there might be rust in the water.

I want to perform an experiment. I put water into a clean vessel. I test the iron content of the water with a test strip for iron.

We note down the results of each iron test in a table in order to be able to compare the results quickly.

We wonder what the results can mean. We

discovered that the iron content is quite

samples. We discovered that all samples

with a high iron content are from the tap

high in some samples but not in other

More eyes see more: Together with two other researchers, we perform the experiment. We simultaneously test the water from several taps.

with the reddish water. The reddish color seems to result from the high iron content of the water. Our assumption that the color is caused by rust is right. We write down our

observations. We label each sample and note the result We carefully observe what the test strip of the respective iron test shows. Its color changes depending on the down. iron content of the water. We compare the color on the test strip with the color code





on the box.







РЗс

Phases of the research cycle

Phase of the research cycle

Glue the phase here

Example

Glue the appropriate example here.

Your own examples



