Concept mapping is one way to visualize information!

Some examples of concept mapping tools are Popplet (https://popplet.com/), Bubbl (https://bubbl.us/), and Coggle (https://coggle.it/).

Building a research question

Step 1: Pick a topic and ask questions about all the aspects of that topic

1. What are you interested in researching? = TOPIC
2. From the answers above, form a research question now.

Step 2. Formulate your research question
How will you answer that research question?

Research Methods

Questions: Identify “indicators” that can be measured or analyzed in order to achieve the objective, by finding potential answers to the research question. Which tool (research method) will measure indicators?

Data Collection: IF you choose a survey as the tool - Students are to explain why survey is the research tool here by explaining how it can collect the needed data. Students should understand (an describe) what is a survey and how it works. They are also asked to describe how the survey is to be conducted.

Data Analysis

Interpretation: Finally, they are to explain how the data are interpreted in order to test hypotheses or (answer research questions).

Write up

Validation
Chapter 1: The Selection of a Research Approach


Identify "indicators" that can be measured or analyzed in order to achieve the objective, by finding potential answers to the research question.

Which tool (research method) will measure indicators?

For Example: If you choose a survey as your tool...

Students should understand (describe) what is a survey and how it works.

Students are to explain why survey is the research tool here by explaining how it can collect the needed data.

They are also asked to describe how the survey is to be conducted.

Finally, they are to explain how the data are interpreted in order to test hypotheses or (answer research questions).
1. After watching the video about chiclids, and reading the news article about Lake Tanganyika – develop a research question.

   Topic?

   Who? What specifically? When? Where?

   Formulate a question:

2. Let’s do some research!
   Use the databases: Environment Complete; Web of Science; EcoLex

   Questions?

3. Now, how could you design research to answer that question?

   What indicators can you measure? How will you analyze and interpret the data? Can you validate the results?