

## Questioning as we learn: An introduction to critical thinking

### Material for Higher Education students in Sierra Leone by INASP, UK



Provided by the Critical Thinking Taskforce (CTTF) within the project AQHEd-SL

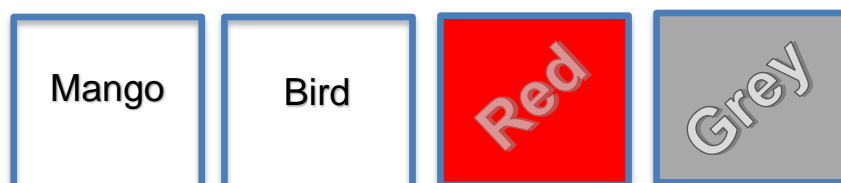
#### Unit 5 - Snippet 114



#### Practical activity – Test your logical thinking skills

Here is a famous logic task for you to warm up with. A similar task was formulated in 1966 by the psychologist Peter Wason, who used it as part of an experiment on reasoning ([https://en.wikipedia.org/wiki/Wason\\_selection\\_task](https://en.wikipedia.org/wiki/Wason_selection_task)). Imagine that four cards are lying on the table in front of you. Every card has the name of a fruit or animal printed on one side and the colour red or grey on the other. As they appear in front of you, two cards show the name of a fruit or animal. The other two cards show a colour.

The four cards appear as illustrated below. Your task is to decide if the following rule is true for these four cards:



**Rule:** *If a card has the name of a fruit printed on one side, then it has the colour red on the other side.*

**Question to answer:** Which card(s) do you need to turn over to find out whether the rule is true or false? Only turn over the minimum number of cards necessary to determine if the rule is true.

**Tip:** To organize your thinking about the correct answer, you may want to revise your learning about conditional statements in Unit 4 and draw a tree diagram for the logic task in this example.

Think your answer well through and make notes. We will reveal the correct answer in the next snippet.