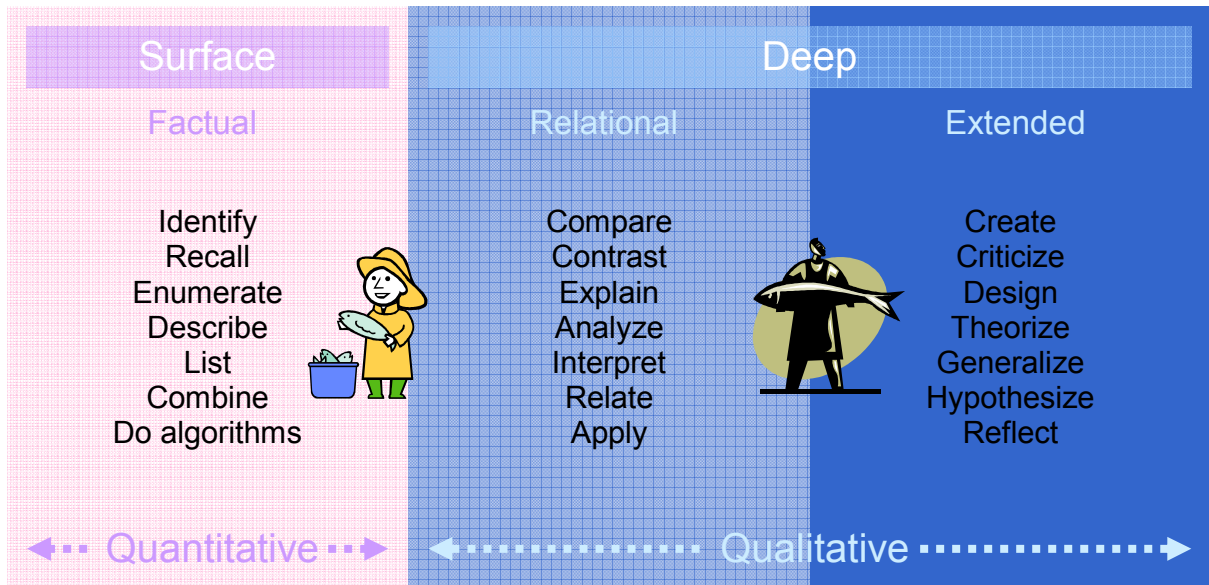


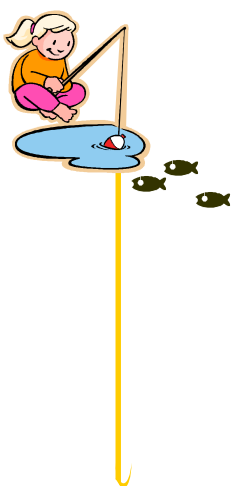
What is deep understanding?

Remembering pieces of factual information alone is not **deep** understanding. To have **deep** understanding is to be able to put the pieces together and to use such understanding to do things (e.g., solve problems, create new ideas etc).

The table below shows you some of the things you should be able to do if you have **deep** understanding (compare with “**surface**” understanding) of a topic.



Description of some actions associated with deep understanding



Factual recall	Listing of pieces of information in unrelated manner. This is not deep understanding!
Contrast	Show the important difference between things.
Compare	Show how things are alike or not alike
Explain	Give the meaning of a topic clearly.
Relate	Show that the ideas are connected to each other.
Analyze	Examine in detail the elements of a topic and how they relate to each other.
Apply	Make use of specific knowledge or concepts to solve a problem.
Reflect	Show new understanding of something by studying past experience.
Generalize	Draw a general conclusion from a number of facts.
Recommend	Suggest what is appropriate to do base on a critical evaluation of available information.
Hypothesize	Propose an idea which can be used as a starting point for further study.
Theorize	Form general principles of an art or science.



You can only catch small fish at the surface. Therefore, think deep!