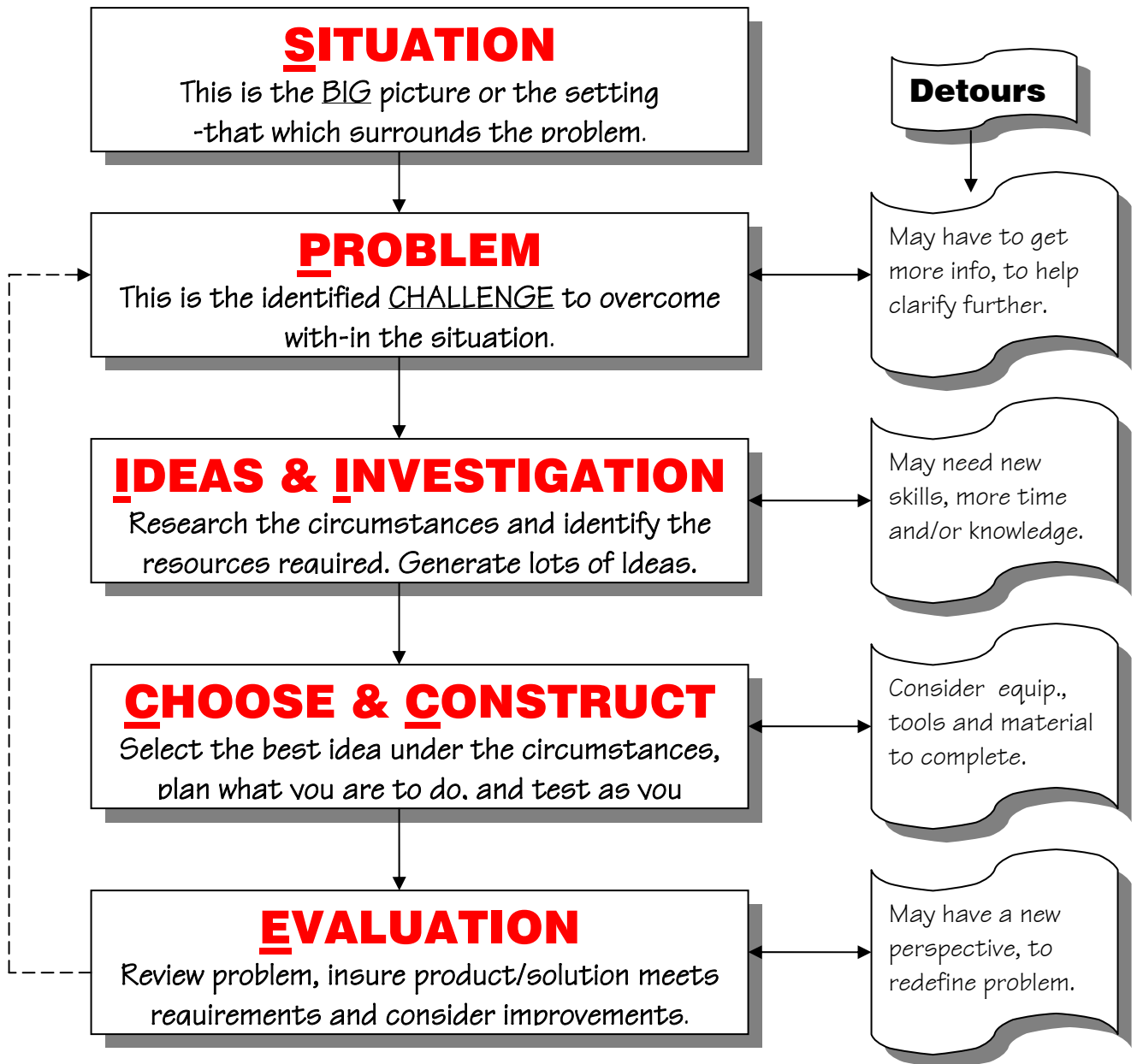## S.P.I.C.E.- A Design Process Model

When attempting to build, construct and/or plan towards a final goal, you must go through a process. This process is an important part of being able to create the best product/solution possible. By breaking down the common steps in a proven process, these steps can be used as a model. Using this model would always get the best solution or product quickly, efficiently and accurately for any product/solution required.

SITUATION

This is the <u>BIG</u> picture or the setting -that which surrounds the problem.

Detours

PROBLEM

This is the identified <u>CHALLENGE</u> to overcome with-in the situation.

May have to get more info, to help clarify further.

IDEAS & INVESTIGATION

Research the circumstances and identify the resources required. Generate lots of Ideas.

May need new skills, more time and/or knowledge.

CHOOSE & CONSTRUCT

Select the best idea under the circumstances, plan what you are to do, and test as you

Consider equip., tools and material to complete.

EVALUATION

Review problem, insure product/solution meets requirements and consider improvements.

May have a new perspective, to redefine problem.

Back-tracking

Back-tracking will always be required for a number of reasons throughout the process model. Circumstances may have to be looked at more closely or over a different period of time. New problems may arise causing you to return back to the situation or re-evaluate the solution and choose another idea in your investigation.