**Find and compare the differences/similarity between RUP and scrum**

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**Compare Scrum and RUP:**

* Both of them use the iterative process. They both break the whole process of developing the software into small cycles with similar steps. Both of them are continuous testing.

|  | **Scrum** | **RUP** |
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| Cycle | Scrum does not specify the steps needed to have in a sprint or the order and purpose of each sprint are not planned from the start. | An iteration of RUP consists of certain steps, numbers of iteration and the objective of them are determined from the start of the project. |
| Planning | Only planning for the next sprint at the end of the current sprint. Within each sprint, development and testing are concurrent and integrated rather than being sequential. | The plan of the whole process is determined at the start of the project and cannot be changed too much. Each iteration in RUP is like a “mini-Waterfall”. |
| Scope | The scope is re-evaluated at the end of each sprint and can be changed in a more flexible way than RUP. | The scope is determined from the start, it can be changed during the process but not changing the meaning with the phrase. |
| Artifacts | Project Backlog, Sprint Backlog, Burndown Chart, Impediments Backlog. | Documentation, test scripts, test cases, development planning, ... |
| Type  Of Project/Product | More suitable for small, quick projects. | More suitable for big projects with a lot of members in a team. |

Reference:

1. <https://theardentblogger.com/rup-scrum-difference/>
2. <http://www.chiron-solutions.com/chiron-professional-journal/2010/12/20/what-is-the-difference-between-rup-and-scrum-methodologies/>
3. <https://www.quora.com/What-are-the-differences-between-RUP-Rational-Unified-Process-and-Scrum-methodologies>