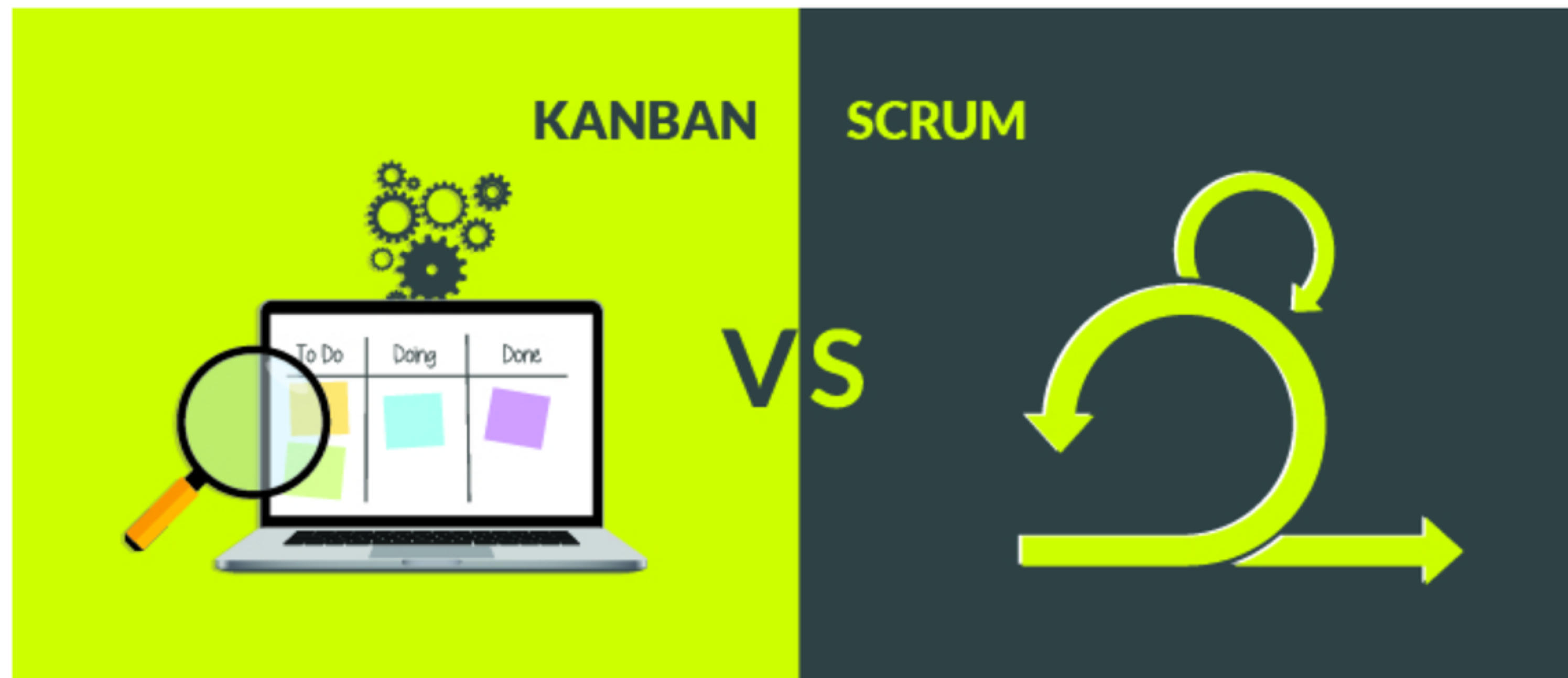


Scrum vs Kanban



Agile - Kanban

Kanban is Japanese word

*Means : **Signboard***

One of the Agile framework

Requires real-time communication

*Work items are represented visually on a **Kanban board***



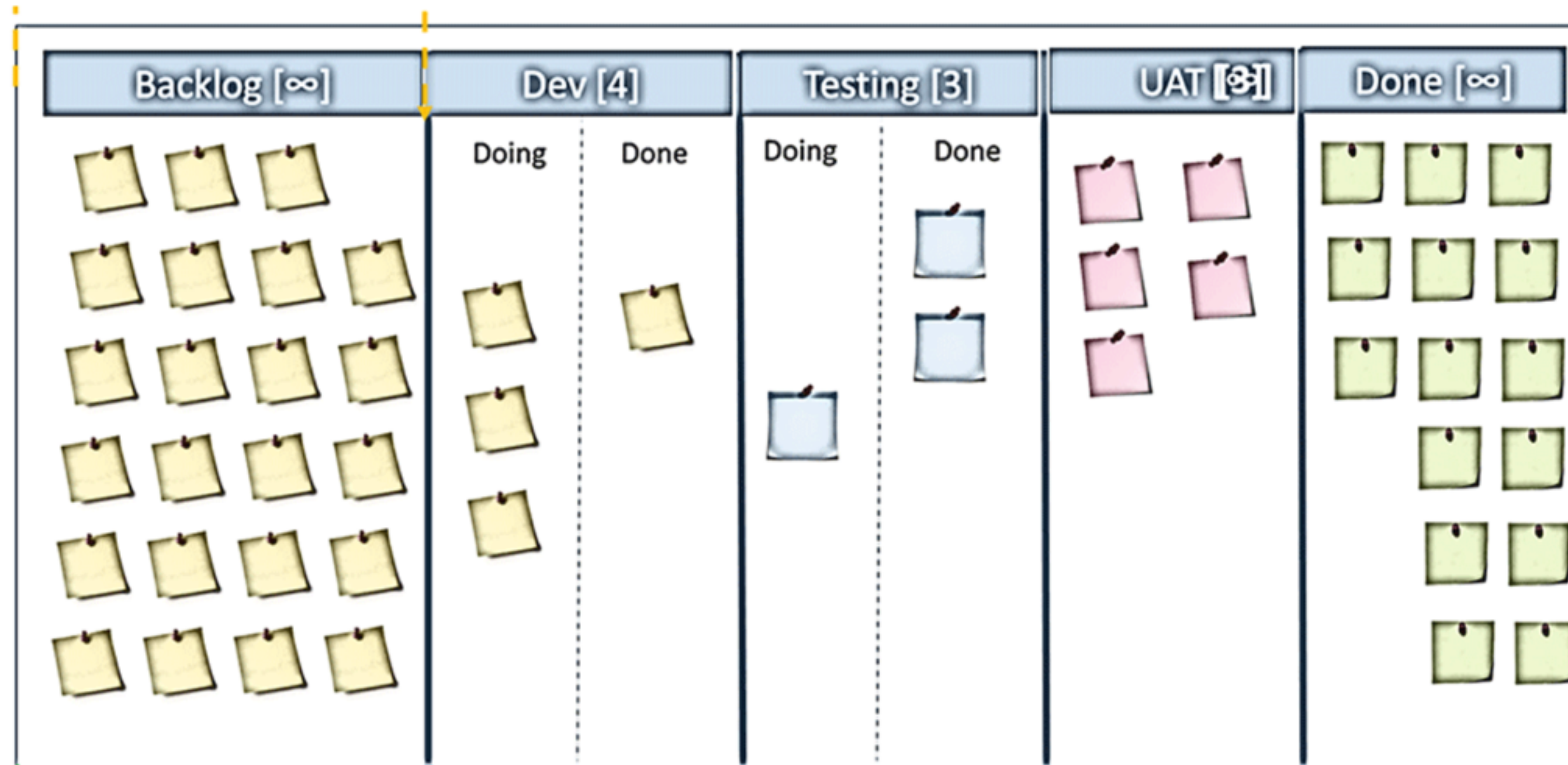
Agile - Kanban

3 Rules :

- 1. Visualize work flow (Kanban Board)***
- 2. Limit WIP (Work In Progress)***
- 3. Enhance flow- pull system***

Rule 1. Visualize workflow

Digital Kanban Board



Rule 1. Visualize workflow

Digital Kanban Board



Rule 1. Visualize workflow

Physical kanban Board



Rule 2. Limit WIP

WIP : Work In Progress

*Limits restrict the **maximum amount of work** items in the different stages (kanban board columns) of the workflow*

There isn't a strict way on how to set up your limits

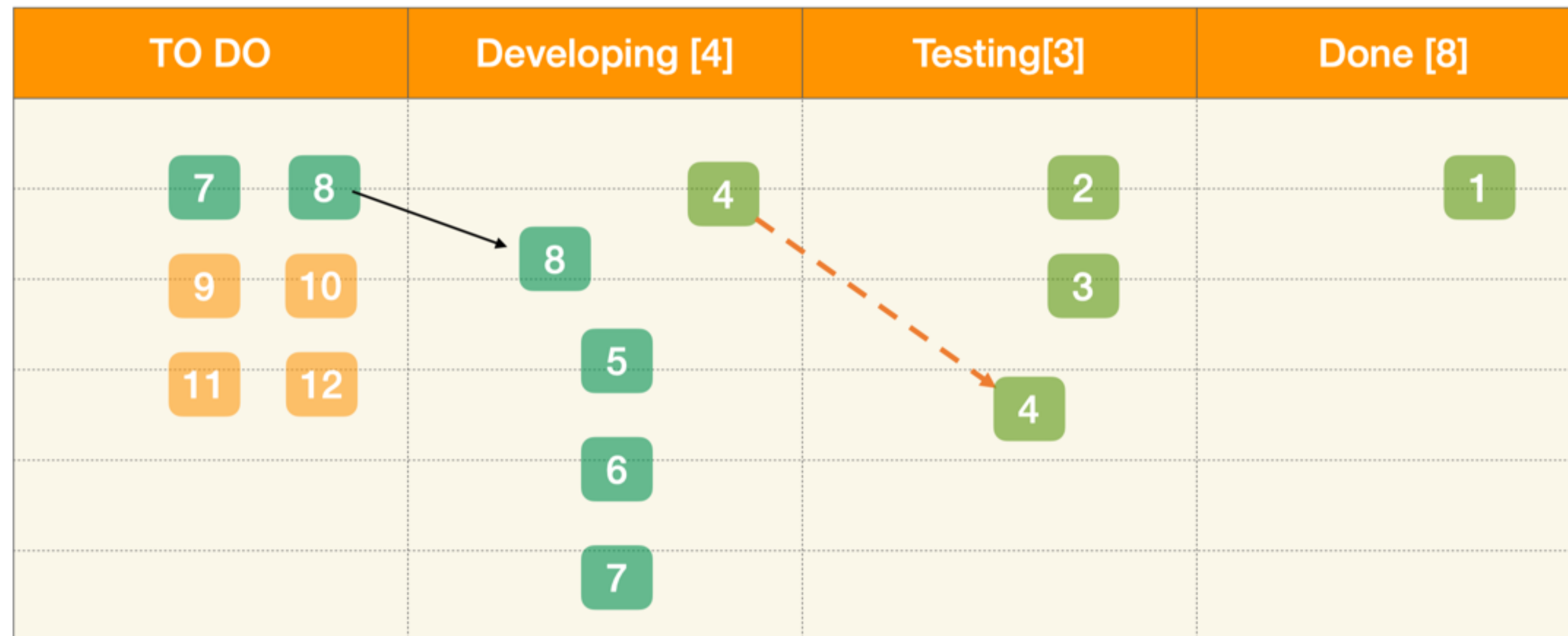
Rule 2. Limit WIP

Limit WIP

Backlog	Analyze	Develop	Test	Done
<div><div>+ New item</div><div><div></div><div></div><div>4</div></div></div>	<div><div></div><div></div><div>6</div></div> <div><div></div><div></div><div>4</div></div>	<div><div></div><div></div><div>3</div></div> <div><div></div><div></div><div>2</div></div>	<div><div></div><div></div><div>2</div></div> <div><div></div><div></div><div>8</div></div>	<div><div></div><div></div><div>10</div></div> <div><div></div><div></div><div>6</div></div>

Rule 3. Enhance Flow - pull system

Only after a task is finished, the *next highest item*(priority) from the previous column is **pulled** into next column.



Benefits of Kanban

Better visibility & increased productivity

The kanban board can be shared by individuals or multiple teams

*When **priorities change** very **frequently**, Kanban is ideal*

*Requires **fewer organization** / room set-up changes to get started*

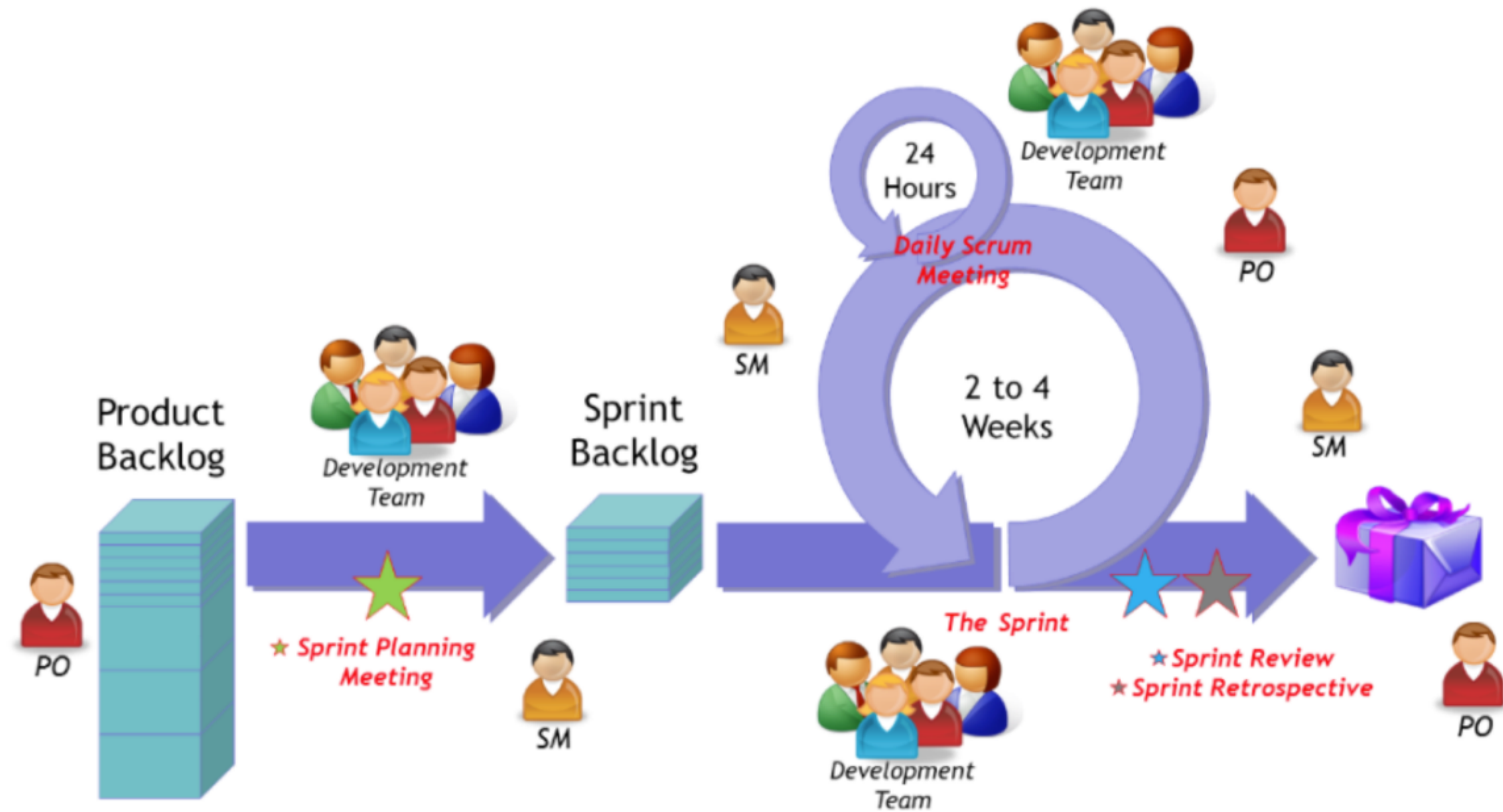
Rapid feedback / higher-performing team members

Similarities in Scrum and Kanban

- Both are Agile
- Both limit WIP
- Both use “pull scheduling”
- Both are focus on delivering the releasable software often and early
- Both use transparency to drive process improvement
- Both need breaking the work into pieces
- Both are based on self-organizing and cross-functional teams

Kanban	Scrum
NO Roles	Scrum Role (3) PO, SM, dev team
No required meeting	5 Scrum meetings
Use “pull system”, pull only new high priority tasks once the pervious task is completed	Use “pull system”, pull tasks for each sprint
Change can be made in any time	No change allowed mid-sprint
Release can be any time	Release based on plan (After couple sprint)
Stories are optional to estimate	Stories are estimated
Kanban board to visualize the work process	Also use kanban bard
Kanban is easy to understand and impelement	Scrum requires experienced team

Agile Scrum - time box



Agile- Kanban →event-driven

