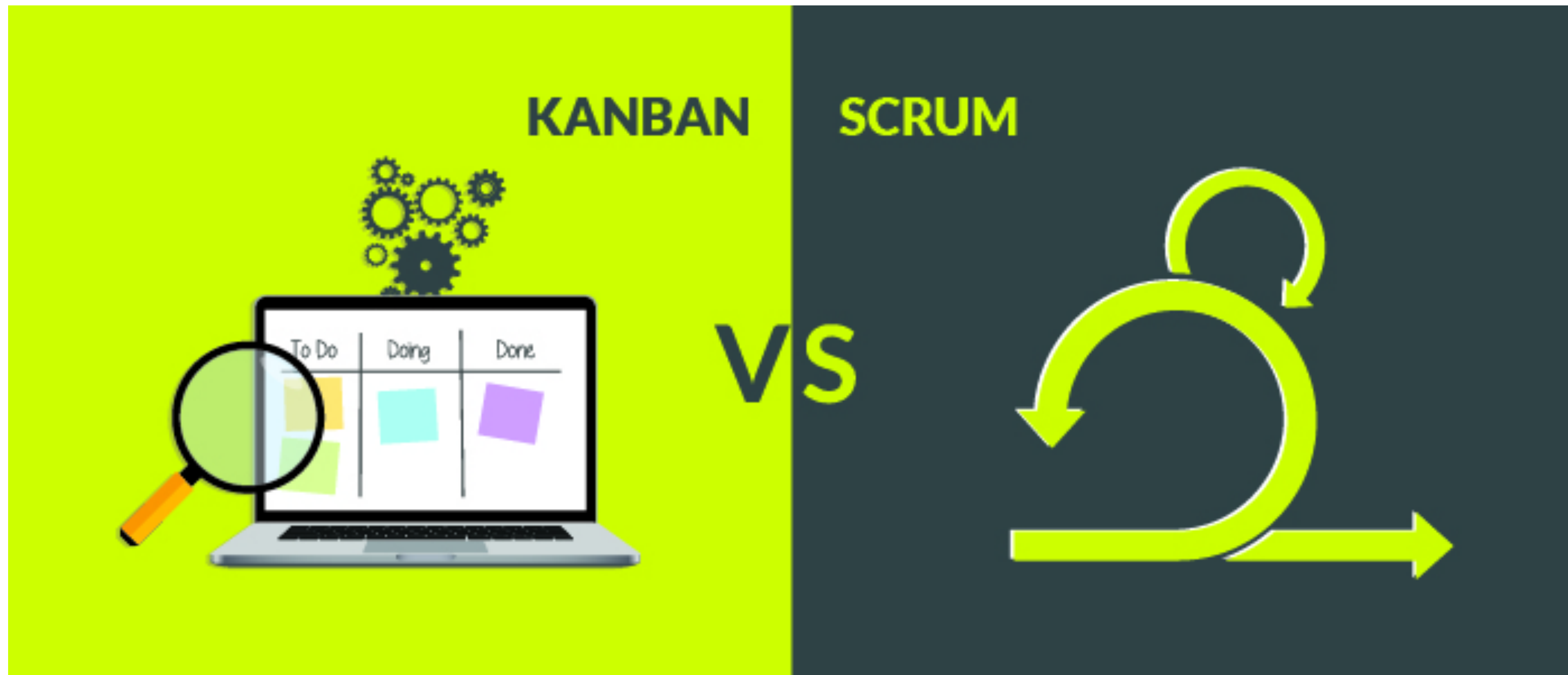# *Scrum vs Kanban*

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

Cybertek

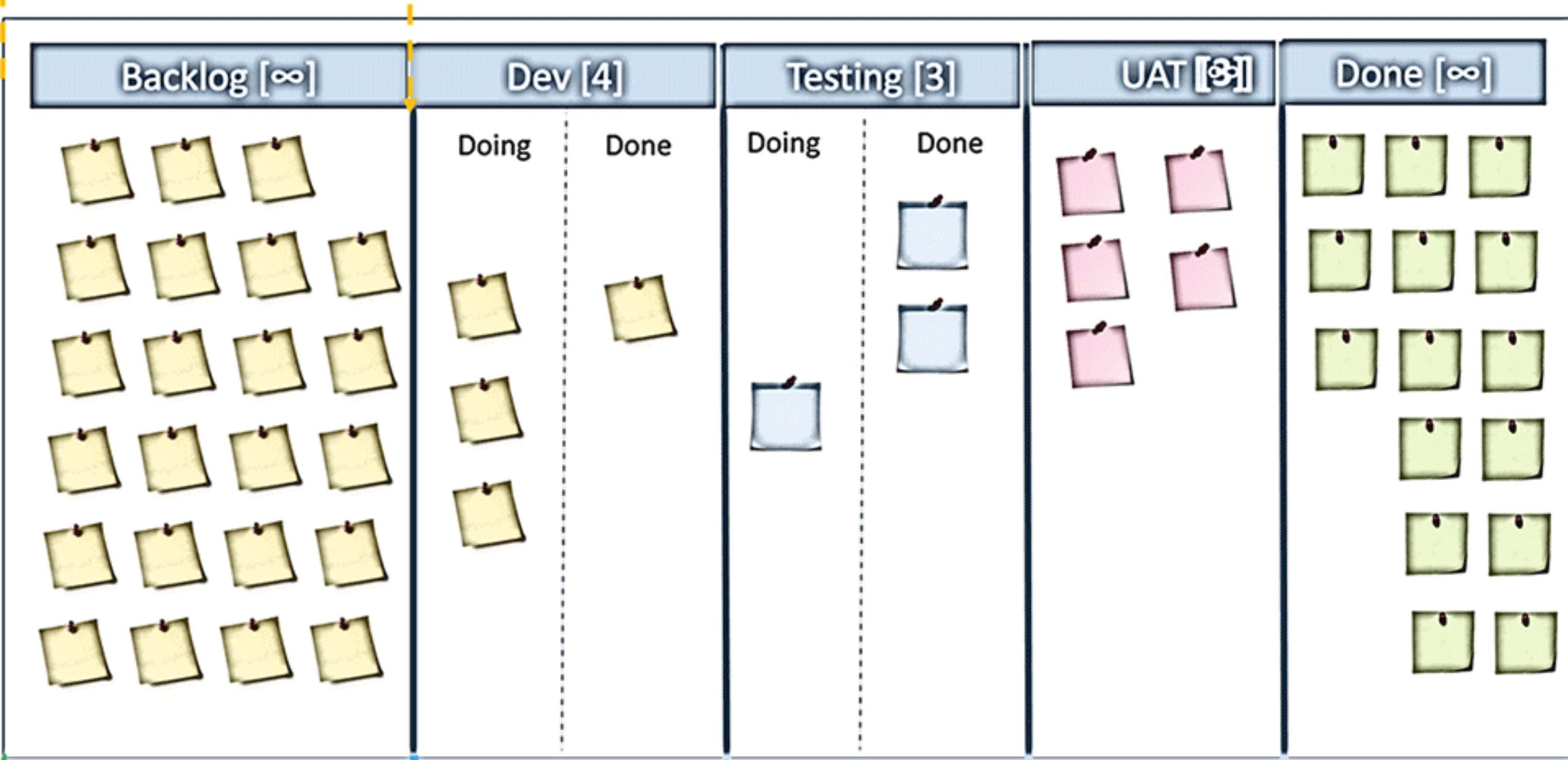# Agile - Kanban

3 Rules :

        1. Visualize work flow (Kanban Board)

        2. Limit WIP (Work In Progress)

        3. Enhance flow- pull system

Cybertek

Rule1. Visualize workflow

Digital Kanban Board

Rule1. Visualize workflow

Digital Kanban Board

Sprint To Do	Developing	Ready For Testing	Testing	Bug	Done
PO15-153 ↑ As a authorized user I . . .	**PO15-100** ↑ As an authorized user I . . .	**PO15-60** ↑ Accessing Vehicle Feul logs	**PO15-68** ↑ US-14. Authorized user should . . . 5	**PO15-114** ↑ User shouldn't write . . .	**PO15-59** ↑ Truck driver has access to odometer 3
PO15-67 ↑ As a store manager and Sales .		**PO15-58** ↑ Be able to access Vehicle Cost 5	**PO15-56** ↑ Authorized user able to Access . . . 8		**PO15-71** ↑ User Story 6 As a store manager or . . 5
					PO15-66 ↑ Store managers and Sales 5
					PO15-52 ↑ US1: able to access Vehicle 3

Cybertek

Rule1. 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

Cybertek

Rule 2. Limit WIP

Limit WIP

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

Cybertek
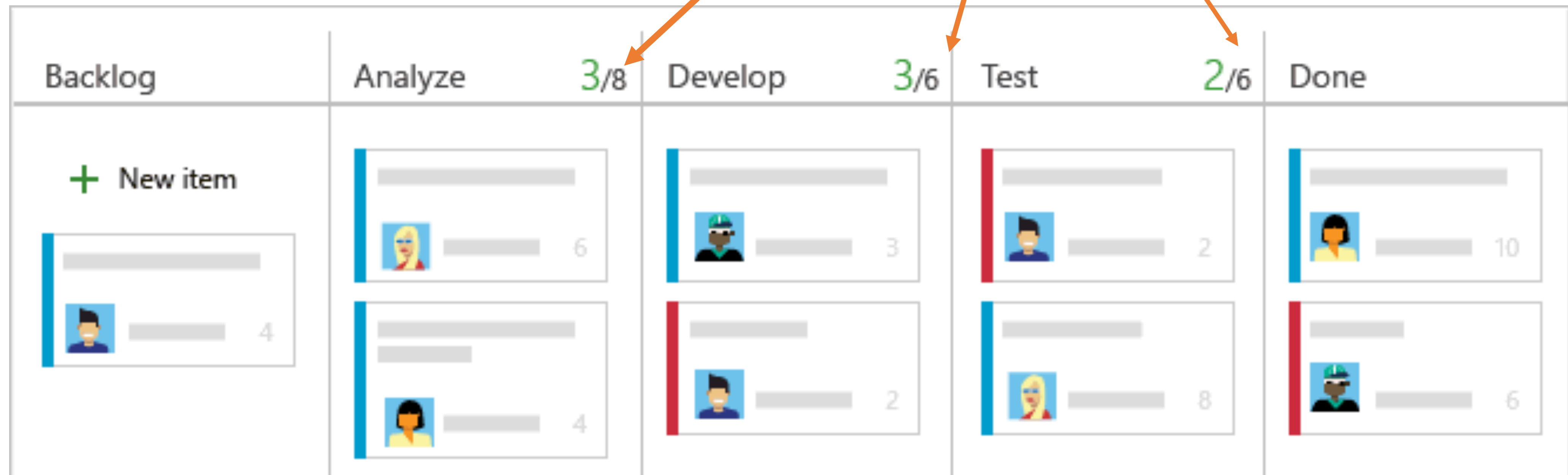
Rule 3. Enhance Flow - pull system

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

TO DO	Developing [4]	Testing[3]	Done [8]
7 8	4	2	1
9 10	8	3	
11 12	5	4	
	6		
	7		

Cybertek
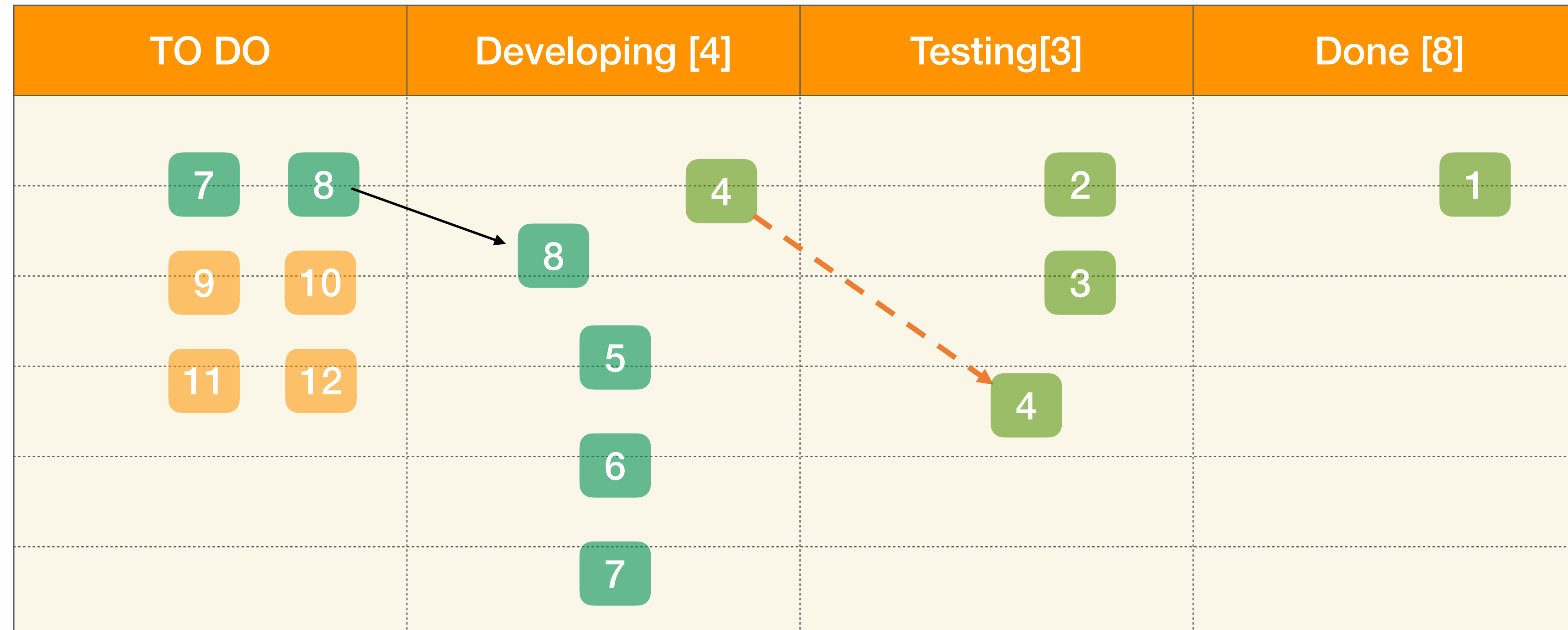
Benefits of Kanban

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

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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

Cybertek

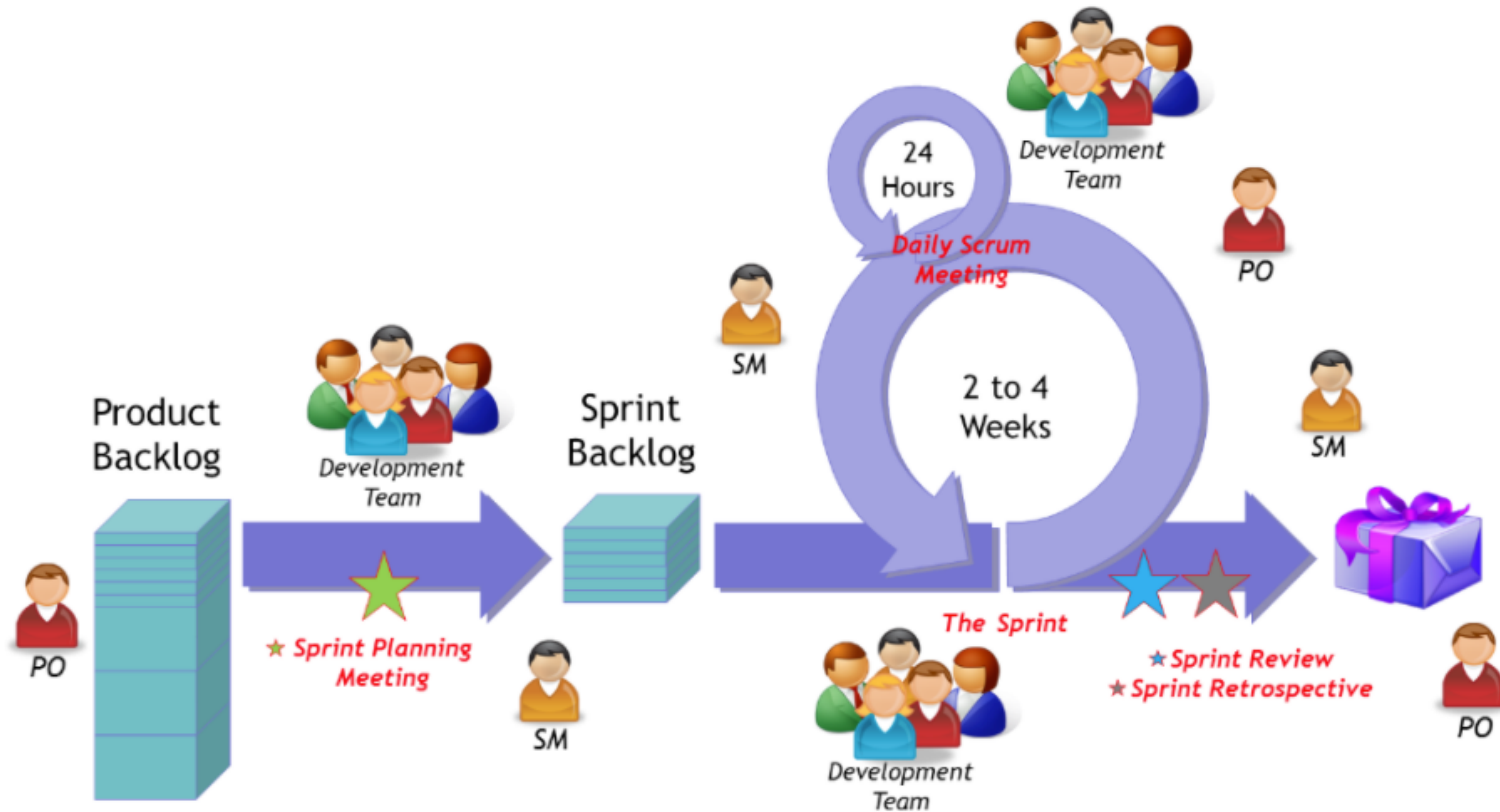| Kanban	Scrum
NO Roles	Scrum Role (3) PO, SM, dev team
No required meeting	5 Scrum meetings
Use "pull system", pull only new high priority tasks once the pervious task is completed	Use "pull system", pull tasks for each sprint
Change can be made in any time	No change allowed mid-sprint
Release can be 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

Cybertek

Agile Scrum - time box

Agile- Kanban —>event-driven