Issues with docker that prompted need for tools like kubernetes:

1. Single host
2. Lack of auto healing
3. Absence of auto scaling
4. Lack of enterprise level support like load balancer, firewall etc.

By default Kubernetes is a cluster means it has group of nodes so it can put application in any other available node from the faulty node.

When api server learns that a container is going down, it will roll out a new container even before the old container goes down.

Kubelet responsible for creation and maintaining to make sure that the pod is always running.

Kube proxy provides networking, it allocates IP and load balancing capabilities