

# Microphysical processes, flowchart and models

## Microphysical processes

CARMA is capable of simulating any aspect of the aerosol life cycle, including nucleation, condensational growth, coagulation, and deposition.

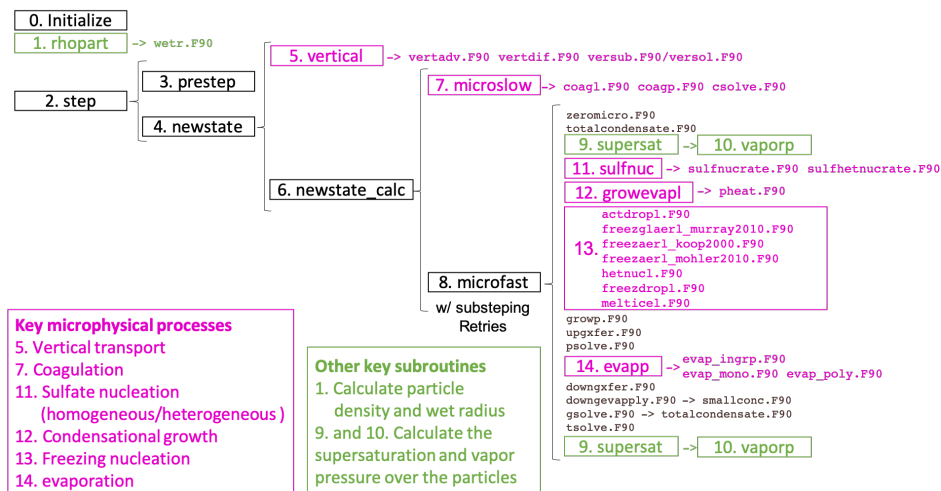
- nucleation
- condensational growth
- coagulation
- [Sedimentation](#)
- dry deposition

## Microphysical processes numerics in the model

- nucleation
- condensational growth
- coagulation
- Sedimentation
- dry deposition

## Subroutine Flowchart

CARMA has three primary branches of subroutines: init, step, and quit. The step series is illustrated:



## Model initialization

- setupgrow
- setupbin
- setup...