

**physiq.F**

1. Initialisation  
**phyeta0.F, surfini.F, iniorbit.F, intracer.F, solarlong.F**  
Calculation of mean mass and cp, R and thermal conduction coeff  
**concentration.F**
- 1.5 Calculation of the radiative tendencies : radiative transfer  
(longwave and shortwave) for CO2 and dust.  
**dustopacity.F and callradite.F**
8. Gravity wave and subgrid scale topography drag.  
**calldrag\_noro.F**
10. Vertical diffusion (turbulent mixing).  
**viafc.F**
12. Convective adjustment  
**convadj.F**
14. Condensation and sublimation of carbon dioxide.  
**newcondens.F**
7. TRACERS :
  - 6a. water and water ice: **watercloud.F**
  - 6b. call for photochemistry when tracers are chemical species: **callchim.F**
  - 6c. other scheme for tracer (dust) transport (lifting, sedimentation): **dustdevil.F, callsedim.F**
  - 6d. updates (CO2 pressure variations, surface budget)
- 19 Thermosphere  
**thermosphere.F**
- 8.5 Surface and sub-surface temperature calculations  
**soil.F**
9. Writing output files :
  - "startfi", "histfi" (if it's time): **physdem1.F**
  - saving statistics (if "callstats = .true."): **wstats.F**
  - dumping eof (if "calleoofdump = .true."): **eofdump.F**
  - output any needed variables in "diagfi" : **writediagfi.F**