ATM 651 PE memorization Exam Item, fall 2020   Name_____

Write the Primitive Equations in this grid, with one term per box:

	A	B	C	D	E	F	G
1. mass continuity							
2. horiz. F=ma (vector form or u component)							
3. horiz. F=ma (v if needed)							
4. hydrostatic							
5. First Law for T							

Which box contains each of the following:

    * the meridional advection of zonal momentum (also, write out this specific single advection term here, if you used a vector form in the boxes above. Mind the sign.)

    * the vertical advection of meridional momentum (also, write this specific single advection term here, if you used a vector form in the boxes above. Mind the sign.)

    * horizontal convergence of wind

    * the thickness of a pressure layer

    * radiative heating rate