Amended P7 Higher MS (using June 2010)

1.



1. Cont’d



2. need to add

* *gravity shrinks the cloud*
* *making particles move towards each other*
* *increasing particles' energy*
* *particles bump into each other*
* *transferring energy between them*
* *temperature is energy of particles*
* *particles bump into each other harder or more often*
* *pressure fixed by collision rate or momentum of particles*

3.





* 5. *solar day is 24 hours long*
* *time from noon to noon*
* *noon is when Sun at highest point in sky*
* *sidereal day is 23 hours 56 minutes*
* *time for one rotation of Earth*
* *compared with fixed stars*
* *difference is because Earth orbits Sun*
* *so Earth has to rotate more than 360 to get Sun to same place in sky.*

6.



7.



8. Describe and explain the formation of a star need to write answer

Grade Boundaries – rough guide….

A\* 36, A 30, B 23, C 17