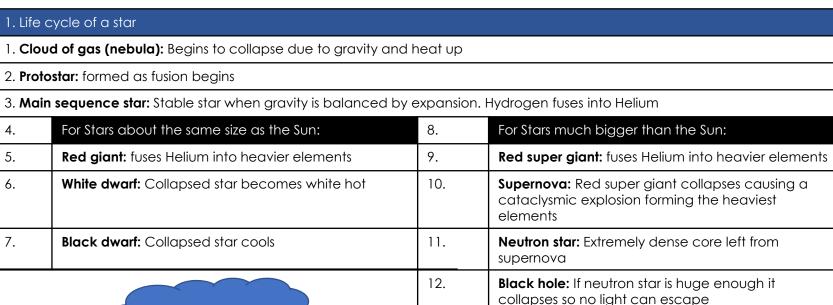
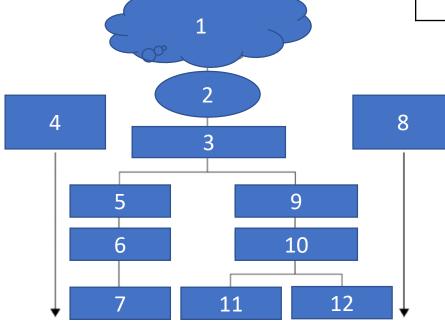
Physics topic 8: Space physics (TRIPLE ONLY)





2. Orbital motion	
Satellite	A natural or man made object that orbits a planet
Orbit	gravity continuously pulling an object around (object always falls)
Velocity	Continual changes even though speed does not
Stable orbit	If distance reduces speed must increase

3. Red shift	
Definition	When an object moves away from an observer the light colour becomes redder.
Observation	The further the object is the greater its red shift
Conclusion	That the universe is expanding from a central point
The Big Bang	Theory used to explain the red shift evidence. The idea of the universe was created by a hot and dense singularity exploding outwards