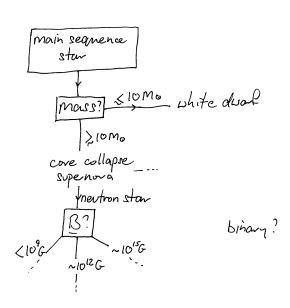
## Astronomy 345M Pulsars and Supernovae II Question Sheet 2

- 1) Starting with the diagram overleaf, draw a combined family-tree and flow diagram to show how the various types of neutron star systems described in the course form and evolve. Include in your drawing the following features and objects:
  - · radio pulsars
  - · X-ray pulsars
  - · millisecond pulsars
  - · recycled pulsars
  - SGRs
  - AXPs
  - · Magnetars
  - LMXBs
  - HMXBs
  - RRATs
  - GRBs
  - 'quiet' neutron stars
  - rotationally powered pulsars
  - · magnetically powered pulsars
  - · accretion powered pulsars
  - supernova remnants
  - · white dwarfs
  - black holes
  - double neutron star systems
  - double pulsar systems



G.W.