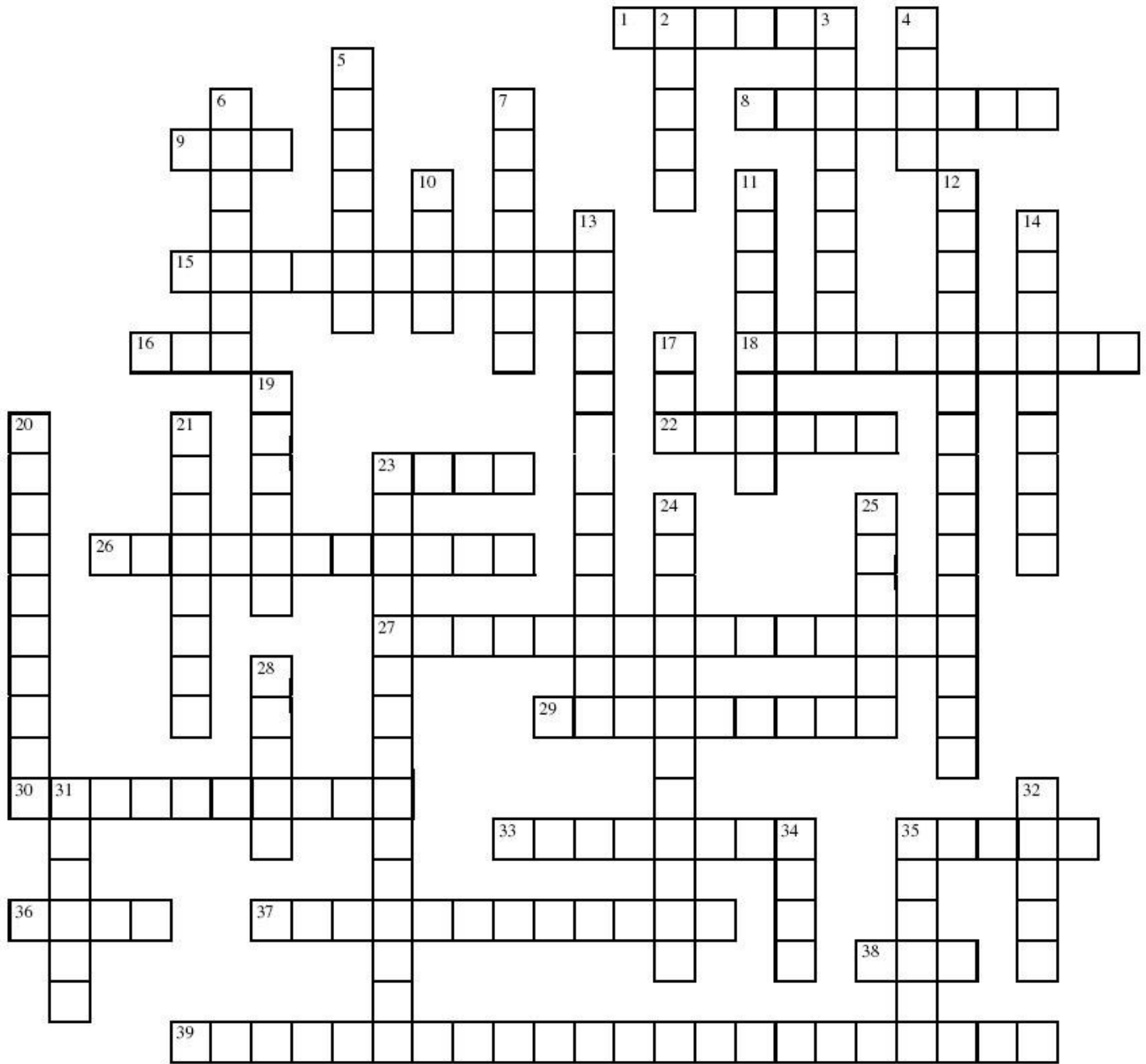


Exam II Review



ACROSS

- 1 Massive stars evolve _____ due to higher temperatures in the core.
- 8 Hydrostatic Equilibrium is maintained in stars when on the Main Sequence by _____ fusion.
- 9 Stars are formed by gas that is made of _____ density Hydrogen.

DOWN

- 2 _____ stars have strong Hydrogen lines.
- 3 Between Red Giants and White Dwarfs, which are most luminous.
- 4 Low mass stars wind up with Carbon/Oxygen cores whereas high mass stars have _____ cores at the end of their lives.

- 15 A _____ is a result of a Type II supernovae.
- 16 White Dwarfs are very _____.
- 18 Spectral classifications were developed by Annie Canon based on Hydrogen _____ line strengths.
- 22 Stars have different evolutionary tracks based on their _____.
- 23 Stars spend _____ of their lives on the Main Sequence.
- 26 When the temperature in the core is hot enough, core Helium will ignite in what is called the _____.
- 27 A low mass star, like our Sun, will become a _____ White Dwarf.
- 29 Light that is _____ is going towards you.
- 30 Protostars arrive on the main sequence when their _____ gets hot enough to fuse Hydrogen.
- 33 _____ are used as distance indicators to other galaxies.
- 35 _____ Hydrogen fusion causes the outer part of the star to expand
- 36 Massive stars die with a _____, not a whimper.
- 37 Planetary nebulae are struck by UV radiation and emit in the lower energy visible by this process _____.
- 38 Type I supernovae involve _____ stars.
- 39 Every time an energy source in the core of the star runs out, this becomes unbalanced _____.
- 5 _____ rotate at rates on the order of seconds.
- 6 M type stars are the _____.
- 7 In order to form a star the object must have 100 times the mass of _____.
- 10 According to general relativity, light is _____ by gravity.
- 11 When core Hydrogen runs out, the star will begin to _____ due to gravity.
- 12 A system in which two stars block each other's light is an _____ system.
- 13 A protostar has _____ energy for the first 10 million years.
- 14 The _____ tells us a relationship between Luminosity and Temperature.
- 17 The material between stars is known as the _____ (acronym).
- 19 Hydrogen fusion will run out of the core at some point, at this time the core is made of _____.
- 20 Red Giants are in the _____ of the H-R diagram.
- 21 Our Sun is approximately _____ years old.
- 23 Dense interstellar regions are called _____.
- 24 Our Sun is a _____ star.
- 25 A Red Giant is very _____.
- 28 A _____ is a type of eruptive variable that involves two stars.
- 31 The envelope of a star will _____ every time a fusion fuel runs out in the core.
- 32 A White Dwarf becomes a _____ Dwarf and not to Brown Dwarf.
- 34 Why are White Dwarfs dimmer than Red Giants, in spite of being hotter. .
- 35 Time runs _____ in strong gravitational fields.

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