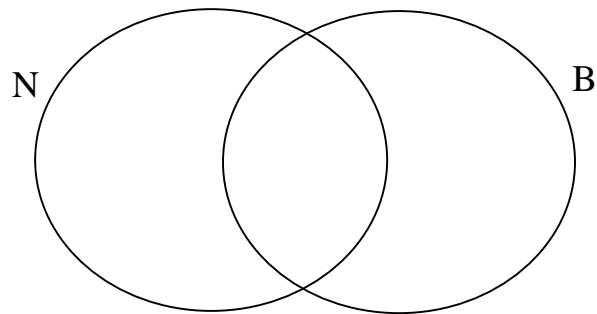


DIAGRAMMING DILEMMA - LEVEL 2

Venn diagrams are often used to organize information that compares and contrasts two or more different objects. In our diagram, circle B represents black holes while circle N represents neutron stars. Carefully read over the list of descriptive phrases found below. The number of a phrase that describes both a neutron star and a black hole should be written in the overlapping section of the two circles. The number of a phrase that describes only a black hole should be written in the non-overlapping section of circle B. The number of a phrase that describes only a neutron star should be written in the non-overlapping section of circle N.



1. escape velocity is greater than the speed of light
2. have been called frozen stars
3. endpoint of a star's lifecycle
4. composed of a collapsed stellar remnant of less than 3 solar masses
5. boundary marked by an event horizon
6. was once a massive star
7. has essentially zero volume
8. does not glow brightly in optical light
9. has a core composed mainly of neutrons
10. has a very powerful gravitational pull