

In-class activity 20

Assemble Your Group

- Find your assigned group members, and sign in below.

Team member: _____ Team member: _____

Team member: _____ Team member: _____

Compact Object Companions

- (Cf. Seeds and Backman, *ASTRO2*, Brooks/Cole Cengage Learning, 2014, p. 238 (Fig. 11-6), p. 247 (Figs. 11-14, 11-15), pp. 255-256 (Fig. 11-20).) As shown below and on the next page, fill in the diagrams illustrating three types of compact objects with companion stars. Every one of the 17 rounded corner boxes should have an entry from the list below. Except where noted, each term should only be used once.

Accretion disk (3)
 Black hole
 Companion star (3)
 Ejected jets (2)
 Neutron star
 Nova

X-ray pulsar beams
 Type Ia supernova
 White dwarf
 X-ray glow (3)

