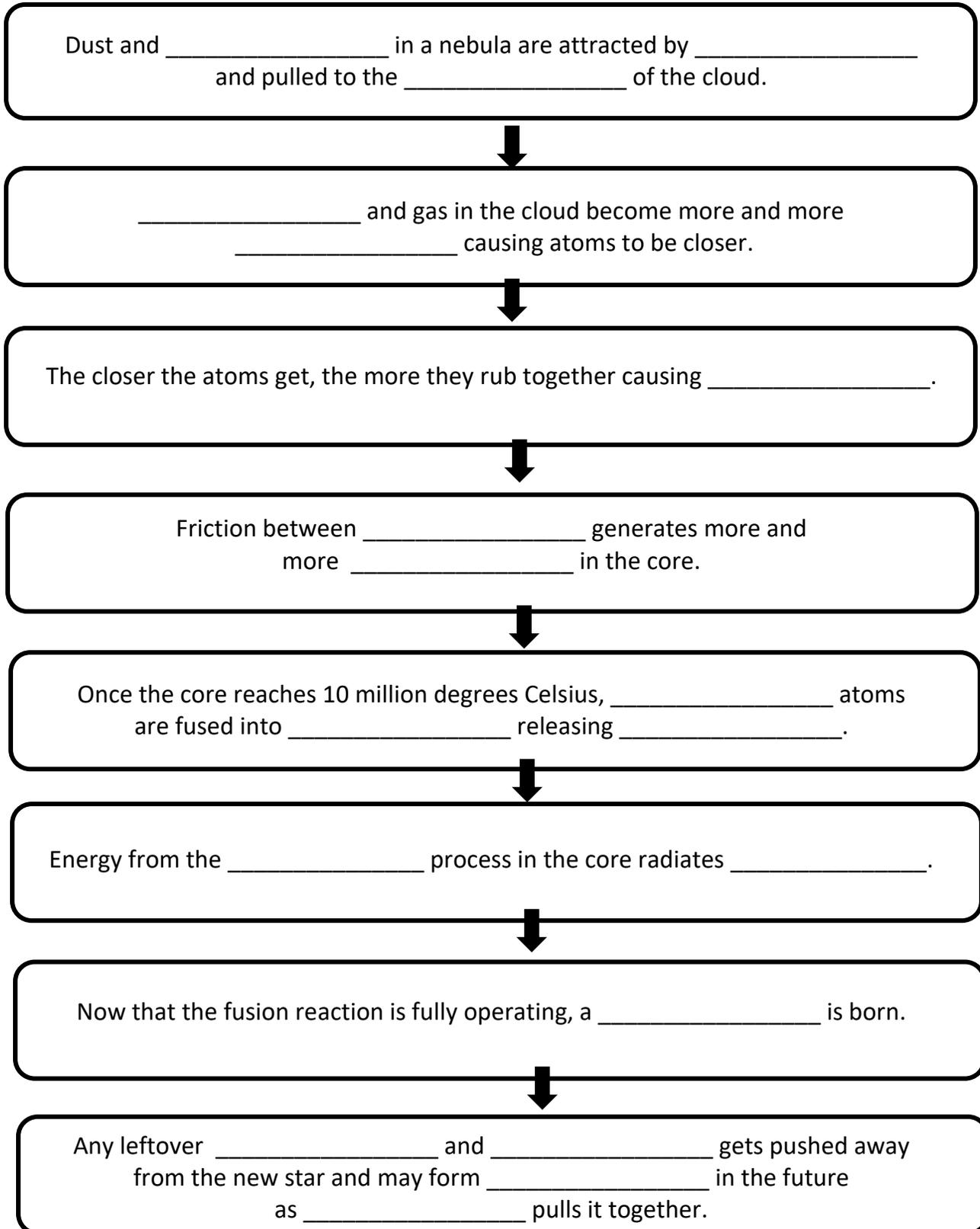


FORMATION OF STARS

name _____ hr _____

Complete the concept map on the formation of a star using the following terms: atoms, center, dense, dust (2 times), energy, friction, fusion, gas (2 times), gravity (2 times), heat, helium, hydrogen, outward, planets, star



OBSERVING STARS

In the space provided, write the word or words that best complete(s) the sentence.

1. Stars are powered by a process called _____
2. In fusion, four hydrogen atoms combine to make one _____ atom.
3. Fusion occurs in the _____ of stars.
4. When hydrogen atoms fuse, some mass is converted to _____
5. Stars produce different light spectrums because they contain different _____.

Answer the following question in complete sentences.

6. A student sees a bright star that he knows astronomers call Little Star, and he sees a dim star that he knows astronomers call Big Star. How can the dimmer star actually be bigger than the brighter star?

7. How does your perception of the size of a car's headlights change as you watch it travel toward you?

8. Explain how a scientist can tell us what elements are found in stars when they have never even been there to take samples.
