

ISM ASTRONOMY STUDY GUIDE FOR TERM 2 PERIODIC 2 2020

Things you need to know.

1. Approximately how old is the universe?
2. What element is the universe made of, primarily?
3. The vast majority of matter in the universe exists in what state? (solid, liquid, gas or plasma?)
4. What is the name of the current theory concerning the creation of the universe?
5. List 3 observations that confirm this theory.
6. Name the astronomer who is credited with discovering the universe is expanding.
7. What did this astronomer observe specifically that indicated the universe is expanding?
8. What does CMB stand for? (In Astrophysics)
9. What are the names of the 2 scientists who discovered the CMB?
10. Briefly describe how they made this discovery.
11. What specific event created the CMB?
12. Name 1 satellite that has taken a "picture" of the CMB.
13. What is the name given to a point of zero size, infinite temperature and density.
14. It is currently believed the very early universe went through a phase of exponentially rapid expansion. What is this phase called, and who theorized it?
15. What is the name of the movie we have been watching in class?
16. Who wrote the novel this movie is based on?
17. How does the contagion in the movie kill people?