6th Grade Science Ms. Velez Monday, October 5, 2020

***Cosmos: A Sky Full of Ghosts***

GUIDE QUESTIONS

Answer the following guide questions as you watch the Cosmos episode “A Sky Full of Ghosts”:

1. Who was the first person to understand that a telescope is a “time machine”?
2. How far does light travel in 1 second?
3. How far away is the Moon from the Earth?
4. Why is the sunrise an illusion?
5. How long does light take to get from the Sun to the Earth?
6. How far away is Neptune from Earth?
7. How far is a single light year in Kilometers?
8. How fast does Voyager travel?
9. How far away is the Pleaides Cluster?
10. What is the Crab Nebula?
11. How far away is the Earth from the center of the galaxy?
12. Where are we in the universe?
13. What made possible the formation of the planets and ultimately life?
14. What was created in the big bang?
15. What was Michael Faraday’s discovery that related to gravity?
16. What did James Clarke Maxwell do in 1865?
17. What is wrong with the way we calculate speed?
18. Where is there a fixed place in the universe?
19. What are the rules that must be obeyed when travelling in high speeds?