

Name: _____ Date: _____ Period: _____

Jackson's Stardust Mystery-Guided Discovery

When was stardust created?

Directions: Answer the following questions based on Milo's page and his related YouTube videos. Use full sentences and list where you found your answer (Expert Avatar, Stardust Mystery book excerpt, videos, Grandpa's Glossary, or other resources).

45. How long ago was the Big Bang?

Source:

46. What was the Big Bang?

Source:

47. What did the universe look like at the first second after the Big Bang?

Source:

48. What does Einstein's Theory of Relativity show us?

Source:

49. What does Professor Lemaitre call the Big Bang?

Source:

50. Describe what happens to the temperature of the universe as time goes on after the Big Bang.

Source:

51. What atoms are present 400 thousand years after the Big Bang?

Source

52. How do the Cosmic Kids know we aren't Big Bang dust?

Source:

53. What is the Cosmic Dawn?

Source:

54. At what point in time do the Cosmic Kids notice that our stardust is beginning to form?

Source:

55. What point in time do the Cosmic Kids notice large concentrations of the largest elements?

Source:

56. What was Lemaitre's clue that suggested the Big Bang?

Source:

57. When was stardust formed?

Source:

Discussion/Assessment Questions: Use these for in class discussions, small group discussions, or an assessment

-What was the Big Bang?

-What was created in the Big Bang?

-Are we made of Big Bang dust?

-When did our stardust form?

-What did VC and Johari make? What can we learn from it?

At Home-->Ask your kids...

- What were the Cosmic Kids up to?
- When did different elements form?
- When was stardust formed?
- How long have humans been around in relation to the creation of the universe?