

Name: _____ Date: _____ Period: _____

Neddy's Stardust Mystery-Guided Discovery

How Was Stardust Created?

Neddy's Questions

Directions: Answer the following questions based on Neddy's page and her 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).

58. What is an atomic number?

Source:

59. What element has the highest concentration in our universe since the Big Bang?

Source:

60. What did the Cosmic Kids see that was caused by Earth's plate tectonics?

Source:

61. What happened to Earth 4.5 billion years ago?

Source:

62. Why are atoms like carbon called stardust?

Source

63. At 7 billion years after the Big Bang, what caused the formation of the heaviest atoms?

Source:

64. What is a supernova?

Source:

65. What is the Cosmic Dawn and why does it have that name?

Source:

66. What does Fred Hoyle teach the Cosmic Kids?

Source:

67. How long ago did the earth form?

Source:

68. Explain the timeline of the Big Bang to present day.

Source:

69. If we think of the Universe evolving in one hour, how long have humans existed?

Source:

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

- What events caused our universe to form?
- What caused the formation of smaller atoms like carbon and oxygen?
- When did carbon and oxygen first form?
- What caused the largest atoms to form?
- Explain the life of a star?
- Explain the timeline of Big Bang to present day.

At Home-->Ask your kids...

- What is a supernova and what causes it?
- What elements are in the highest concentrations in our universe and when did they form?
- What is the answer to the stardust mystery?
- What is the Big Bang and what caused it?
- Explain the timeline of Big Bang to present day.