

Name: _____ Date: _____ Period: _____

Johari's Stardust Mystery-Guided Discovery

What In The World Is Stardust?

Johari's Questions

Directions: Answer the following questions based on Johari'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).

70. What is stardust?

Source:

71. What is made up of atoms?

Source:

72. What are the parts of an atom?

Source:

73. How large is an atom?

Source:

74. How does Lizzy explain the amount of carbon atoms in our bodies?

Source:

75. How does Johari explain the size of a beach that would exist if grains of sand were equal to the number of atoms in our bodies?

Source

76. How does the size of a grain of sand compare to the size of an atom?

Source:

77. What are the four main atoms in our bodies?

Source:

78. What is a molecule?

Source:

79. What are some common molecules?

Source

80. What is the largest molecule that you know of?

Source:

81. What are 5 important things about stardust?

Source:

82. What is a crystal?

Source:

83. What determines the density of a material?

Source:

84. Why is a piece of platinum so much heavier than the same size piece of aluminum?

Source:

85. What are some of the different arrangements of atoms in matter?

Source:

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

-What is stardust?

-What are the parts of an atom?

-How big are our atoms?

-What atoms are in our bodies?

-How many atoms are in our bodies?

-What are molecules?

-What are crystals and what are some common ones?

-What key points would you tell someone who doesn't know what stardust is?

At Home-->Ask your kids...

- What were the Cosmic Kids trying to discover?
- What is stardust?
- What makes up our bodies? How much of that do we have?
- How did the Cosmic Kids figure all of this out?