**What Did Stars Give Us Video Questions 2018**

As you watch the each of the videos, answer the following questions:

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| **Threshold 3: New Chemical Elements** |
| Questions | Notes |
| How did we get elements other than hydrogen and helium? | 1. What was the universe like 200 million years after Threshold #2?

1. What atomic matter existed in the universe, and what type of matter were they?

1. What does inert mean?

1. Why was this a problem?

1. What did the universe need?

1. What ingredients were needed for new chemical elements?
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1. Explain how aging and dying stars create new elements?
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1. What is created by a supernova?

 1. What are the Goldilocks Conditions for New Chemical Elements?
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| Summary (What is the **BIG** idea presented in the video): |

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| **Crash Course Big History: Why Star Stuff Matters?** |
| Questions | Notes |
| What elements are produced in aging and dying stars? | 1. **2:10** What was the Universe like before carbon existed, and what was it like after?
2. **3:50** What makes carbon so important on Earth?
3. **4:40** How did the flexibility of carbon lead to the first life forms?
4. **8:30** How is charcoal responsible for “the next rise of complexity”?

1. **8:55** Why is it possible that carbon may ultimately be our downfall?
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| Summary (What is the **BIG** idea presented in the video):  |