My NASA Data - Interactive Models What Elements are in Your Body?

Grade Band

- 6-8
- 9-12

Time

• 50 minutes

Directions

Remember to never look directly at the Sun without proper safety equipment.

Use the slide deck to complete the activity.

- 1. Open the "What Elements are in Your Body?" Interactive Slide Deck.
- 2. Use the slides in edit mode in order to manipulate the slides.

Teacher Note

Teachers who are interested in receiving the answer key, please complete the <u>Teacher Key Request</u> and <u>Verification Form</u>. We verify that requestors are teachers prior to sending access to the answer keys as we've had many students try to pass as teachers to gain access.

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NGSS Three Dimensional Learning

NGSS Disciplinary Core Ideas

- PS1A: Structure and Properties of Matter
- PS1C: Nuclear Processes
- ESS1A: The Universe and its Stars
- ESS1B: Earth and the Solar System
- ESS2A: Earth Materials and Systems

Crosscutting Concepts

- Scale, Proportion, and Quantity
- Systems and System Models

Science and Engineering Practices

Developing and Using Models

Learning Objectives

- Students be able to identify the key elements in their bodies created in stars.
- Students will be able to describe how massive stars create the elements that make up the universe and life itself.

Essential Questions

- 1. How do stars create the elements that make up the universe and life itself?
- 2. How is the periodic table a map of the history of our universe?

Google Slide interactive Files

What Elements are in Your Body? Slides