







TODAY'S MAIN IDEA

• <u>A star's primary source of energy is **nuclear fusion** which is combining two lightweight nuclei into a heavier nucleus.</u>





WHAT IS A STAR?

- o http://www.youtube.com/watch?v=5az0W4Y1nuU
- <u>Star = A massive, self-luminous or glowing ball of gas.</u>
- Review: Where did all of the hydrogen and helium gas come from?



EXPLORE HW QUESTION

2. Explore today's main idea with this question: How long does it take for energy produced in the core of the Sun to reach its surface?

Helpful Textbook Pages: <u>809 - 812</u>

VOCABULARY FOR NEXT TIME

<u>Electromagnetic Spectrum</u>

Helpful Textbook Pages: Glossary

REVIEW & YOUR EXPLANATION

- o https://www.youtube.com/watch?v=pusKlK1L5To
 &feature=youtu.be
- With your partner, write out an example of the process of nuclear fusion in your own words.
- Provide an accompanying sketch on your whiteboards