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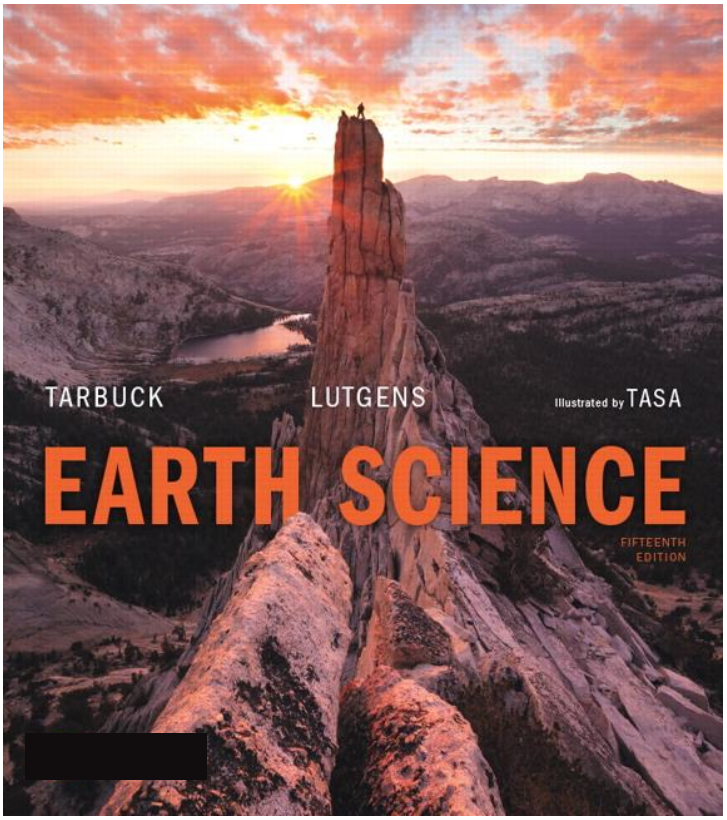


## To the

# Next Generation Earth and Space Science Performance Expectations

## High School

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| **(HS.SS) Space Systems** | |
| (HS-ESS1-1) Develop a model based on evidence to illustrate the life span of the sun and the role of nuclear fusion in the sun's core to release energy that eventually reaches Earth in the form of radiation. | **SE/TE:**<br>The Sun's Surface, 708<br>SmartFigure 23.22 Diagram of the Sun's structure, 708<br>The Sun's Interior, 709<br>The Source of Solar Energy, 709<br>Figure 23.25, Deep in the Sun's interior, a nuclear reaction…, 709<br>Key Terms: nuclear fusion, 713<br>23.5 Our Star: The Sun, Sketch the Sun's structure and describe each of its major layers. Summarize the process called the proton-proton chain reaction, 713 |
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