

Sample MC Item

Our Sun is a medium-size star producing energy from nuclear fusion reactions. Much of this energy is emitted throughout the solar system. Other stars throughout the universe also emit energy from their nuclear reactions. Which type of energy is received on Earth from the Sun and other stars?

- A. nuclear energy
- B. chemical energy
- C. mechanical energy
- *D. electromagnetic energy

FCAT SCIENCE

PLANNING CARDS Grade 11

BENCHMARK SC.B.1.4.1.

Item Type(s)	MC, GR, SR
Benchmark Clarification	The student identifies and applies energy types and transformations in biotic and abiotic systems.
Content Limits	Items will NOT require unit conversions to compare data. Items may require the student to understand energy principles in life, physical, and earth and space science contexts.
Stimulus Attributes	Items may provide the student with data in chart, drawing, equation, graph, or picture form.
Response Attributes	Items will describe units in which the answer is to be given.