



SREB

**Clean Energy
Technology -
Course 4**

Code: 9043

CLEAN ENERGY TECHNOLOGY – COURSE 4

Test Code: 9043
Version: 01

Specific Competencies and Skills Tested in this Assessment:

Information about the AC course standards can be found in the front of the AC course teacher guide.

CTE

- 1d CTE
- 1e CTE
- 1f CTE
- 2f CTE
- 3b CTE
- 4b CTE
- 4c CTE
- 5e CTE

Literacy

- RST 11-12.1 Literacy
- RST 11-12.2 Literacy
- RST 11-12.4 Literacy
- RST 11-12.7 Literacy
- RST 11-12.8 Literacy
- RST 11-12.10 Literacy

Clean Energy Technology – Course 4 (continued)

Math

APR.3 Math
BF.A Math
BF.3 Math
CP.2 Math
CP.3 Math
CP.5 Math
CP.6 Math
IC.1 Math
ID.2 Math
ID.3 Math
ID.6 Math
IF.7 Math
MD.2 Math
TF.5 Math

Science

Disciplinary Core Area-ESS Science
Disciplinary Core Area-PS Science
Disciplinary Core Area-LS Science

Clean Energy Technology – Course 4 (continued)

Written Assessment:

Administration Time: unlimited

Number of Questions: 67

Areas covered:

42%	CTE
18%	Literacy
24%	Math
16%	Science

Sample Questions:

Variable Speed Devices enable a change in the speed of a(n):

- A. Motor
- B. Inverter
- C. Regulator
- D. Converter

Model documentation should include:

- A. Material options not used in the model
- B. Instructions for assembly
- C. Background research sources
- D. Number of prototypes built

Matter that contains more than one kind of element is called a:

- A. Proton
- B. Neutron
- C. Isotope
- D. Molecule