

Teaching Materials (Pre-test & Post-test)

TLS3008 Powerful Five

S3 Liberal Studies

Introduction to solar energy (Pre-test)

Name: _____ Class: _____ Date: _____

1. Which season can get the most amount of solar energy?
(Please circle the answer)

A. Spring B. Summer C. Autumn D. Winter

2. Give the definition of solar energy.

3. List one advantage and disadvantage of solar energy.

Advantage:

Disadvantage:

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Introduction to solar energy (Answer Key)

1. Which season can get the most amount of solar energy?

(Please circle the answer)

A. Spring B. Summer C. Autumn **D. Winter**

2. Give the definition of solar energy.

- Solar energy is the technology used to harness the sun's energy and make it useable.
- (or other reasonable answers)

3. List one advantage and disadvantage of solar energy.

Advantage:

- Renewable
 - Low marginal cost of generation
 - Geographically widely available
 - No noise pollution
- (Any one of the answers is acceptable)

Disadvantage:

- High installation cost
- An intermittent energy source
- Requires a broad space for solar panel installation
- Emission of greenhouse gases during manufacture processes

(Any one of the answers is acceptable)