

### Quiz 3 for Module 5: Solar Energy in Agriculture

1. Where do all renewable energy sources and nonrenewable energy sources originate from?
2. What are the two types of energy that we can use from the sun?
3. What type of energy do “photovoltaics” produce?
4. What element are photovoltaic panels made from?
5. What does an inverter on a PV panel do?
6. “Solar thermal” energy is used for what?
7. Which direction should PV panels face when in the northern hemisphere?
8. What are the two most common ways to mount a PV system?
9. What steps can you take on your farm to ready the farm for a solar system?
  - A. Conduct an energy audit to determine where most energy is being used.
  - B. Convert non-electric loads to electric.
  - C. Make efficiency upgrades.
  - D. All of the above.
10. Why do solar systems have essentially zero costs in maintenance?

11. Give three reasons why solar energy is a good option for use on farms.

Funding provided by The Minnesota Environment and Natural Resources Trust Fund as recommended by the Legislative-Citizen Commission on Minnesota Resources (LCCMR)

