

✔ Congratulations! You passed!

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1. Financial benefits of a solar PV system are maximized by

1 / 1 point

- ☐ PPA
- ☒ Owning
- ☐ Leasing



Correct

Correct! Owning a solar PV systems provides greater financial benefit to the owner than leasing or PPAs.

2. Solar PV system costs are:

1 / 1 point

- ☒ Decreasing, as of 2020.



Correct

Correct! As of 2020, solar PV system costs continue to decrease. There are more correct answers.

- ☐ Reduced by using accelerated depreciation.

- ☒ Often lowered by government incentives.



Correct

Correct! Incentives at the federal and state levels contribute to solar PV system cost savings. There are more correct answers.

3. PV system costs include:

1 / 1 point

- ☒ Hardware



Correct

Correct! There are more correct answers.

- ☒ Installation labor



Correct

Correct! There are more correct answers.

- ☒ Design costs



Correct

Correct! There are more correct answers.

- ☒ Permitting costs



Correct

Correct! There are more correct answers.

4. Which of the following are additional PV system costs?

0.75 / 1 point

- ☒ Drawings



Correct

Correct! Drawings are an additional PV system cost. There are more correct answers.

- ☒ Upgrading equipment to meet specifications



Correct

Correct! Equipment, such as roofing or a circuit box may need to be upgraded to install a solar PV system. There are more correct answers.

- ☒ Engineering



Correct

Correct! Engineering services may be needed to perform a system installation. There are more correct answers.

- ☐ Rental equipment

You didn't select all the correct answers

5. Solar power from a large plant costs less than \$0.04/kWh.

1 / 1 point

- ☒ True
- ☐ False



Correct

Correct!

6. Creating a new nuclear power plant is less expensive than solar power plant.

1 / 1 point

- ☐ True
- ☒ False



Correct

Correct! Even without incentives, it is less expensive to build a solar power plant than it is to build a new nuclear power plant.

7. The primary reason that most business owners want solar power is:

1 / 1 point

- ☒ To save money and control costs.
- ☐ To improve their public image.
- ☐ To "go green" and save CO2.



Correct

Correct!

8. An investment in solar PV:

1 / 1 point

- ☒ Is a higher-yield investment than a standard savings account.



Correct

Correct! Solar PV can provide an ROI greater than 10%, while most traditional savings accounts have a yield of less than 2%. There are more correct answers.

- ☒ Can provide an ROI greater than 10%.



Correct

Correct! Solar PV can provide an ROI greater than 10%. There are more correct answers.

- ☒ Is good for 25 years or more.



Correct

Correct! Aside from replacing small system components, such as inverters, most solar PV systems will last for 25+ years. There are more correct answers.

- ☐ Requires no maintenance.

9. Solar fusion energy is preferred to nuclear fission because:

0.75 / 1 point

- ☒ Nuclear fission produces radioactive waste.



Correct

Correct! Nuclear plants generate radioactive waste that must be contained and properly disposed of. There are more correct answers.

- ☐ Solar is more widely available.

- ☒ It is less expensive.



Correct

Correct! The cost of building nuclear power plants exceeds the cost of building solar power plants. There are more correct answers.

- ☒ It is lower risk.



Correct

Correct! While nuclear power plants attempt to minimize their operational risks, solar power production is inherently less risky. There are more correct answers.

You didn't select all the correct answers

10. Which factors should be included in a payback calculation for a residential customer?

1 / 1 point

- ☒ Estimated energy savings.



Correct

Correct! There are more correct answers.

- ☒ Cost of system, less incentives.



Correct

Correct! There are more correct answers.

- ☐ Accelerated depreciation.

11. PV output degrades by approximately what percent each year?

1 / 1 point

- ☒ 0.5% per year.
- ☐ 0.1% per year
- ☐ 1% per year



Correct

Correct!