

43

The passage is written from the point of view of a

- A) consumer evaluating a variety of options.
- B) scientist comparing competing research methods.
- C) journalist enumerating changes in a field.
- D) hobbyist explaining the capabilities of new technology.

44

As used in line 4, “poor” most nearly means

- A) weak.
- B) humble.
- C) pitiable.
- D) obsolete.

45

It can most reasonably be inferred from the passage that many people in the solar panel industry believe that

- A) consumers don’t understand how solar panels work.
- B) two-sided cells have weaknesses that have not yet been discovered.
- C) the cost of solar panels is too high and their power output too low.
- D) Willow Glass is too inefficient to be marketable.

46

Which choice provides the best evidence for the answer to the previous question?

- A) Lines 1-3 (“Solar . . . demand”)
- B) Lines 10-15 (“A few . . . a watt”)
- C) Lines 22-26 (“If so . . . plants”)
- D) Lines 27-30 (“All . . . reductions”)

47

According to the passage, two-sided solar panels will likely raise efficiency by

- A) requiring little energy to operate.
- B) absorbing reflected light.
- C) being reasonably inexpensive to manufacture.
- D) preventing light from reaching the ground.

48

Which choice provides the best evidence for the answer to the previous question?

- A) Lines 58-61 (“The basic . . . plant”)
- B) Lines 61-62 (“That . . . output”)
- C) Lines 63-64 (“This . . . reflective”)
- D) Lines 64-66 (“Where . . . 400 watts”)

49

As used in line 69, “betting on” most nearly means

- A) dabbling in.
- B) gambling with.
- C) switching from.
- D) optimistic about.

50

The last sentence of the passage mainly serves to

- A) express concern about the limitations of a material.
- B) identify a hurdle that must be overcome.
- C) make a prediction about the effective use of certain devices.
- D) introduce a potential new area of study.

51

According to figure 1, in 2017, the cost of which of the following fuels is projected to be closest to the 2009 US average electricity cost shown in figure 2?

- A) Natural gas
- B) Wind (onshore)
- C) Conventional coal
- D) Advanced nuclear

52

According to figure 2, in what year is the average cost of solar photovoltaic power projected to be equal to the 2009 US average electricity cost?

- A) 2018
- B) 2020
- C) 2025
- D) 2027

**STOP**

**If you finish before time is called, you may check your work on this section only.  
Do not turn to any other section.**