

Question 1

Which of the following drive the market for EVs?

Select one:

- ☐ a. Cheaper gasoline prices ✖
- ☐ b. Decreased cost of electric vehicles ✖
- ☐ c. Increased interest in alternatives to gas-powered vehicles ✖
- ☒ d. Both b. and c.

Feedback

Your answer is correct.

The correct answer is: Both b. and c.

Question 2

A partial zero emissions vehicle (PZEV) is defined as which of the following?

Select one:

- ☒ a. A gas-engine vehicle that has zero evaporative emissions from its fuel system
- ☐ b. A plug-in electric vehicle ✖
- ☐ c. A vehicle with a hybrid gas-electric drive train ✖
- ☐ d. An electric vehicle that only has provisions for wireless charging ✖

Feedback

Your answer is correct.

The correct answer is: A gas-engine vehicle that has zero evaporative emissions from its fuel system

Question 3

The state of charge is the available capacity of the battery, expressed as a percentage.

Select one:



True



False ✖

Feedback

The correct answer is 'True'.

Question 4

Which of the following describes an advantage that hybrid electric vehicles have over traditional gas-powered vehicles?

Select one:



a. Hybrid vehicles are more expensive than gas-powered vehicles. ✖



b. Hybrid vehicles have superior efficiency compared to gas-powered vehicles.



c. Both a. and b. ✖



d. None of the above ✖

Feedback

Your answer is correct.

The correct answer is: Hybrid vehicles have superior efficiency compared to gas-powered vehicles.

Question 5

Which of the following is not an alternative to fossil fuels?

Select one:

- ☐ a. Compressed air ✖
- ☐ b. Electricity ✖
- ☐ c. Fuel cell ✖
- ☒ d. Gasoline

Feedback

Your answer is correct.

The correct answer is: Gasoline

Question 6

The EV industry is comprised of ?.

Select one:

- ☐ a. auto manufacturers ✖
- ☐ b. consumer advocacy groups ✖
- ☐ c. EV charging equipment manufacturers ✖
- ☐ d. research and standards organizations ✖
- ☒ e. all of the above

Feedback

Your answer is correct.

The correct answer is: all of the above

Question 7

The first electric vehicle can be traced back to ?.

Select one:

☒ a. 1832

☐ b. 1943 ✖

☐ c. 1967 ✖

☐ d. 2002 ✖

Feedback

Your answer is correct.

The correct answer is: 1832

Question 8

Which of the following illustrates why electric vehicles were so popular in the early days of automobiles?

Select one:

☐ a. They were clean to operate. ✖

☐ b. They were mechanically complicated. ✖

☐ c. They were quiet. ✖

☒ d. Both a. and c.

Feedback

Your answer is correct.

The correct answer is: Both a. and c.

Question 9

What factors limited the popularity of EVs as internal combustion engine vehicles came to the market in the early 1900s?

Select one:

- ☐ a. Charge times ✖
- ☐ b. Range ✖
- ☐ c. Speed ✖
- ☒ d. All of the above

Feedback

Your answer is correct.

The correct answer is: All of the above

Question 10

What was the first mass-produced hybrid electric vehicle?

Select one:

- ☒ a. GM EV-1
- ☐ b. Honda Insight Hybrid
- ☐ c. Tesla Model 3
- ☐ d. Toyota Prius

Feedback

The correct answer is: Toyota Prius

Question 11

What improvements in technology have increased interest in EVs?

Select one:

- ☐ a. Charging stations specific to each type of vehicle ✖
- ☐ b. High cost and poor public awareness ✖
- ☒ c. Improved range, power, and lighter batteries
- ☐ d. None of the above ✖

Feedback

Your answer is correct.

The correct answer is: Improved range, power, and lighter batteries

Question 12

What best describes early EVs?

Select one:

- ☐ a. Loud and difficult to steer ✖
- ☐ b. Oily, noisy, and hard to start ✖
- ☒ c. Quiet, easy to start, and mechanically simple

- ☐ d. Very unreliable ✖

Feedback

Your answer is correct.

The correct answer is: Quiet, easy to start, and mechanically simple

Question 13

Which of the following is not a category of electric vehicles?

Select one:

- ☐ a. BEV ✖
- ☐ b. HEV ✖
- ☒ c. ICE
- ☐ d. PHEV ✖

Feedback

Your answer is correct.

Question 14

What type of EV has been available to consumers the longest?

Select one:

- ☐ a. BEV ✖
- ☒ b. HEV
- ☐ c. PHEV ✖

- ☐ d. All of the above ✖

Feedback

Your answer is correct.

The correct answer is: HEV

Question 15

Which of the following describes a plug-in electric vehicle that runs on batteries until nearly depleted, then switches over to an ICE generator to extend the battery range?

Select one:

- ☐ a. BEV ✖
- ☒ b. PHEV
- ☐ c. All electric vehicles have this capability. ✖
- ☐ d. No electric vehicle currently on the market has this capability. ✖

Feedback

Your answer is correct.

Question 16

Correct

A battery electric vehicle requires external charging but does not rely on an internal combustion generator for extended range.

Select one:



True



False ✖

Feedback

The correct answer is 'True'.

Question 17

EVs are equipped with a(n) ? motor.

Select one:



a. induction ✖



b. internal combustion ✖



c. permanent magnet ✖



d. both a. and c.

Feedback

Your answer is correct.

The correct answer is: both a. and c.

Question 18

Regenerative braking is best described by which of the following?

Select one:



a. An energy recovery system



b. Not reliable as a braking method ✖

- ☐ c. Obsolete technology that existed on EV models in the 1990s ✖
- ☐ d. Turns electrical energy to kinetic energy ✖

Feedback

Your answer is correct.

The correct answer is: An energy recovery system

Question 19

Which of the following describes an EV drivetrain architecture in which power can be transmitted to the drive from two sources at the same time?

Select one:

- ☐ a. Full electric drive ✖
- ☒ b. Parallel hybrid drive
- ☐ c. Series hybrid drive ✖
- ☐ d. 3-phase series drive ✖

Feedback

Your answer is correct.

The correct answer is: Parallel hybrid drive

Question 20

What types of commercial/industrial vehicles are currently available in an electrified version?

Select one:

- ☐ a. Cargo and material-handling equipment ✖
- ☐ b. Delivery vans and buses ✖
- ☐ c. Semi-trailer trucks ✖
- ☒ d. All of the above

Feedback

Your answer is correct.

The correct answer is: All of the above

Question 21

Forklifts, yard tractors, and drayage trucks are all examples of __?__.

Select one:

- ☒ a. cargo-handling equipment
- ☐ b. delivery vehicles ✖
- ☐ c. light duty trucks ✖
- ☐ d. none of the above ✖

Feedback

Your answer is correct.

The correct answer is: cargo-handling equipment

Question 22

Charging methods for commercial and industrial EVs include which of the following?

Select one:



a. Plug-in charging ✖



b. Regenerative braking, above/below bus charging ✖



c. Wireless power transfer ✖



d. All of the above

Feedback

The correct answer is: All of the above

Question 23

Fleet vehicle battery capacity has reached upwards of ? for heavy duty vehicles.

Select one:



a. 500 W ✖



b. 10 kW ✖



c. 550 kW



d. none of the above ✖

Feedback

Your answer is correct.

The correct answer is: 550 kW

