	Automotive Electrical and Engine Performance, 8th Edition Chapter 10	
1) How can a capacitor be used as a power source? 2) How does a capacitor store an electrical charge? 3) How should two capacitors be electrically connected if greater capacitance is needed? 4) How can a capacitor be used as a noise filter?	Name	
2) How does a capacitor store an electrical charge? 3) How should two capacitors be electrically connected if greater capacitance is needed? 4) How can a capacitor be used as a noise filter?	SHORT ANSWER. Write the word or phrase that best completes each statement or answers the question.	
3) How should two capacitors be electrically connected if greater capacitance is needed? 4) How can a capacitor be used as a noise filter?	1) How can a capacitor be used as a power source?	
3) How should two capacitors be electrically connected if greater capacitance is needed? 4) How can a capacitor be used as a noise filter?		
3) How should two capacitors be electrically connected if greater capacitance is needed? 4) How can a capacitor be used as a noise filter?	•	
4) How can a capacitor be used as a noise filter?		
5) In what units is capacitance measured?	4) How can a capacitor be used as a noise filter?	
5) In what units is capacitance measured?		
	5) In what units is capacitance measured?	

Answer Key

Testname: AEEP8_SHORT10

- 1) A capacitor can be used as a power source if it is first changed by being connected to an electrical circuit. When the circuit is opened, the capacitor can supply electrical current when it is discharged through a circuit.

 Page Ref: 154
- 2) A capacitor stores an electrical charge by using a condenser, such as aluminum foil separated by an insulator, where electrons are stored at a voltage potential.

Page Ref: 151

- 3) To increase the capacitance, two capacitors should be connected in parallel. Page Ref: 155
- 4) A capacitor is used on a noise filter because most radio noise is AC and a capacitor passes AC voltage. A capacitor connected to the power lead will then pass the AC voltage to ground through the capacitor without affecting the DC power line.

Page Ref: 154

5) Capacitance is measured in farads, which is named after Michael Faraday (1791–1867), an English physicist.

Page Ref: 153