

Automotive Technology 7th Edition
Chapter 131: EV and HEV Transmissions
Matching Quiz

Name: _____

Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|--|---|-----------|
| 1. Transaxle | A. Used in most EVs because electric motors have a wide efficient RPM range. | 1. _____ |
| 2. Electric Auxiliary Pump | B. An electronically variable transmission (EVT) with two 60-kW motors and a V8 engine. | 2. _____ |
| 3. Hydraulic Impulse Storage Accumulator | C. The motor/generator in a Toyota/Lexus hybrid used to start the ICE and charge the HV battery. | 3. _____ |
| 4. GM Two-Mode Hybrid (2ML70) | D. The operational range in a two-mode hybrid from second gear to overdrive, where the ICE always runs. | 4. _____ |
| 5. First Mode of Operation | E. A device used in some hybrids to maintain fluid pressure in the transmission during ICE idle-stop. | 5. _____ |
| 6. Second Mode of Operation | F. A series-parallel hybrid system built around a single planetary gear set and two motor/generators. | 6. _____ |
| 7. Ford 10R80 MHT | G. The operational range in a two-mode hybrid for accelerating from a standstill to second gear. | 7. _____ |
| 8. Power-Split Transaxle | H. The combination of a transmission, differential, and final drive gears built together as one assembly. | 8. _____ |
| 9. MG1 | I. A modular ten-speed hybrid transmission that is unique because it still uses a torque converter. | 9. _____ |
| 10. Single-Speed Gearing | J. A device that provides fluid pressure as the ICE restarts after idle-stop mode | 10. _____ |

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Answer Key

Answer Key:

1. H
2. E
3. J
4. B
5. G
6. D
7. I
8. F
9. C
10. A