

Automotive Technology 7th Edition
Chapter 128: Automatic Transmission/Transaxle Principles
Matching Quiz

Name: _____ Date: _____

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

- | | | |
|----------------------------------|--|-----------|
| 1. Impeller | A. A compound gear set with two sun gears and two planet pinion sets on one carrier. | 1. _____ |
| 2. Turbine | B. A component that locks the impeller to the converter cover to reduce slippage. | 2. _____ |
| 3. Stator | C. A thin metal disc that connects the torque converter to the engine's crankshaft. | 3. _____ |
| 4. Flexplate | D. Slight vehicle movement when the engine is at idle and the brakes are released. | 4. _____ |
| 5. Stall Speed | E. A compound gear set with two simple planetary gear sets sharing a common sun gear. | 5. _____ |
| 6. Creep | F. The driven member of the torque converter, located on the engine side. | 6. _____ |
| 7. Torque Converter Clutch (TCC) | G. A gear system consisting of a sun gear, a planet carrier, and a ring gear. | 7. _____ |
| 8. Planetary Gear Set | H. The reaction member that redirects fluid flow between the turbine and impeller. | 8. _____ |
| 9. Simpson Gear Set | I. The engine speed when the impeller is driven at maximum speed without the turbine moving. | 9. _____ |
| 10. Ravigneaux Gear Set | J. The driving member of the torque converter that rotates with the engine | 10. _____ |

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Answer Key

Answer Key:

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