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Animation Transmission Speed Sensor

Name: _____ **Date:** _____

1. The rotatable component with teeth shown on the left side of the screen is called the reluctor or _____ ring.
2. The component inside the sensor that creates the continuous magnetic lines of force is called the _____.
3. The invisible lines of magnetic force extending out from the sensor are called magnetic _____.
4. Coiled around the sensor are two loops called wire _____.
5. The test instrument on the right side of the screen used to measure the sensor's signal is a _____.
6. According to the note in the video, many reluctors use the splines or notches in a clutch housing or gear to produce a much smoother _____ signal.
7. When the wheel spins, the moving reluctor pulls the magnetic flux over the _____.
8. As the teeth and gaps pass by the sensor, the gauge needle moves back and forth, indicating a changing _____ voltage.
9. When the reluctor moves, the voltmeter needle swings into both the positive area and the _____ area of the gauge.
10. The speed sensor functions by converting the mechanical rotation of the reluctor ring into an _____ signal.