

TRUTH TABLE QUIZ

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A TRUTH Table indicates how a gate or combination of gates, responds when level 0 and level 1 signals are applied to its inputs. The table present the kind of concise picture of a circuit's characteristics that we need to apply it to solving logic problems.

To test your ability for making a truth table, determine if the output at D on each of the circuits (1-10) below is a 1 or a 0 for each of the seven arrangements shown in the table at top left. The answers are in the truth table at bottom of page.

| TRUTH TABLE | | | | | | | | | | | | |
|-------------|---|---|---------|---|---|---|---|---|---|---|---|----|
| INPUT | | | CIRCUIT | | | | | | | | | |
| A | B | C | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 1 | 0 | 0 | | | | | | | | | | |
| 0 | 1 | 0 | | | | | | | | | | |
| 0 | 0 | 1 | | | | | | | | | | |
| 1 | 1 | 0 | | | | | | | | | | |
| 1 | 0 | 1 | | | | | | | | | | |
| 0 | 1 | 1 | | | | | | | | | | |
| 1 | 1 | 1 | | | | | | | | | | |

| | |
|-----------|------------|
| <p>1.</p> | <p>2.</p> |
| <p>3.</p> | <p>4.</p> |
| <p>5.</p> | <p>6.</p> |
| <p>7.</p> | <p>8.</p> |
| <p>9.</p> | <p>10.</p> |

