

Complete the Truth Table - Step-by-Step LessonComplete the truth table for: $\sim A \wedge B$

A	B	$\sim A$	$\wedge B$
F	F		F
T		F	

Explanation:

Before completing the truth table first we have to look for some statements. The symbol \wedge denotes that conjugation is taking place. In order for a conjugation to be true both statements must be true, otherwise it is false.

If we look at the table we just need to fill in the missing parts.

1. If the original is true, the \sim statement is false.
2. In truth table original of $\sim A$ is true, than $\sim A$ is false.
3. Statement " \wedge " symbolizes logical conjunction; a compound statement formed with this connective is true only if both of the component statements between which it occurs are true.
4. In truth table the original component statements between which it occurs are true, than the statement is true.

So, the answer is

A	B	$\sim A$	$\wedge B$
F	F	T	F
T	T	F	F

