The idea of a dead-end element in a group $G$ was first introduced by O.V. Bogopolski in 1997. If $G$ has a finite generating set $X$, an element $g$ is a dead-end element if $|gx| \leq |g|$, for all $x \in X^\pm$. The dead-end depth of $G$ is the minimal integer $N$ such that given any group element $g$, there is a path in the Cayley graph for $G$ leading from $g$ to a point farther from the identity than $g$, whose length is no more than $N$. The dead-end depth of a group depends on the generating set $X$. We will give an introductory overview of dead-end elements and dead-end depth, and discuss some of the recent research pertaining to Thompson’s group $F$ and the Lamplighter Group, as well as other groups. (Received September 16, 2014)