



Solution Notes

There are several ways to create this circuit, but the BEST way is to place the light and the speaker in parallel. A parallel circuit will allow the light to operate if the speaker is not working and vice versa.

Electrical Concepts to Understand

- * Parallel Circuits - design, purpose, voltage distribution
- * Series Circuits - design, purpose, voltage distribution
- * Operation of a light
- * Operation of a speaker
- * Operation of a battery

Questions to Consider

- * Why not a series circuit?
- * Why does the speaker still work if the light does not?
- * Why does the light still work if the speaker does not?
- * What is the voltage applied across the light?
- * What is the voltage applied across the speaker?