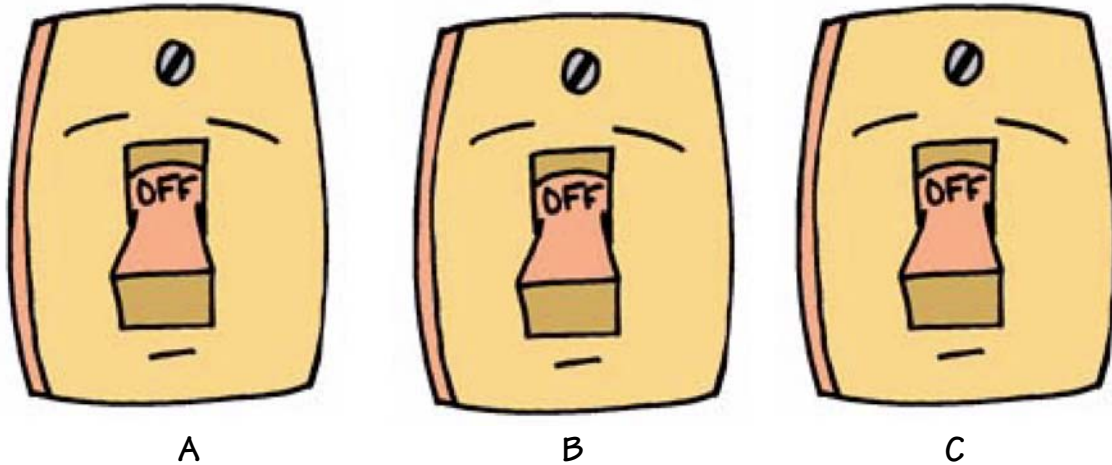


## The Light Switch Problem - Solution

Let's call the three switches A, B and C.



First he turns switch A on for a minute.

Then he turns switch A off and switch B on.

Then he goes up to the floor above to have a look at the light bulb.

If the light bulb is on, it's switch B.

If the light bulb is off but it is warm, it's switch A.

If it's off and cold, it's switch C.