There are three lamps in one room...
...and three switches in another room.
Which light switch turns on which lamp?
Condition #1:

Lamps and switches in two different rooms – no windows & only one door
Condition #2:

You can only send one person in your group over to the lamp room one time
Condition #3:

No talking or cell phone use when other person is in the lamp room.
Condition #4:

No taking of pictures or knocking on walls to convey thoughts
Condition #5:

Can only turn on one switch at a time (so therefore only one lamp is on at a time)
Ask yourself:

What do you know about this situation?
Consider all conditions and components.
Which light switch turns on which lamp?