

Answers to questions 3 & 4

3. Which lights will be on if switch A is open and switch C is closed?

- None of the lights will be on if switch A is open

Which lights will be on if switch C is open and switch A is closed?

- Lights B, D and F will be on

4.

7, 6 – A, C, D, E

1, 4, 5, 7 – A, B, F, G, E

1, 2, 5, 7 – A, B, J, K, L, H, E

1, 2, 3, 5, 7 – A, B, J, I, K, L, H, E

1, 4, 5, 6, 7 – A, B, C, D, E, F, G

1, 2, 4, 5, 6, 7 – A, B, C, D, E, F, G, H, J, K, L

1, 2, 4, 5, 7 – A, B, J, K, L, F, G, H, E

Switch 7 must be closed or none of the lights will work.