How Power Distribution Grids Work

Power travels from the power plant to your house through an amazing system called the power distribution grid.
Electrical Wiring

SwitchLinc 2-Way Wiring Diagram
(One switch controlling the load)

Using 2 SwitchLincs to Create a Virtual 3-Way Circuit

SwitchLinc 2-Way

Light fixtures A & B will work as if they were part of the same 3-way circuit. Either switch A or B can be used to turn on/off (dim/brighten for dimmers) lights A & B even though there is no "traveller" wire.

SwitchLinc Multi-Way Wiring Diagram
(Two or more switches controlling the load)
Single switch wiring

Two three way switches wiring
Assignment

Can you connect a switch to a light fixture?  (10%)

If you have more than one entrance to a room, it’s handy to have more than one switch to turn the lights on and off.

Can you figure out any other ways of connecting two switches?    (20%)
Can you explain the way the power flow across the switches?      (20%)

Can you do the three switches configuration?   (20%)
How many different ways of wiring can you come up?  (20%)

How to connect multiple light fixture to single or multiple switches? (10%)