



4. Draw a circuit diagram that has a 3 cell battery in series with 1 light bulb in series and two light bulbs in parallel. What is the voltage at the battery and each light bulb?

5. The current in a circuit is 2.4 A. What is the resistance if the voltage is 120 V?

6. Calculate the efficiency of an electric motor that produces 25000 J of useful energy while using an input energy of 32500 J.