1. A group of two or more atoms forms a(n) _____.

2. The _____ number specifies the protons or electrons required in the atom for each element. This number determines the type of atom.

3. The _____ is the basic practical unit of energy.

4. The unit of _____ is commonly used for large amounts of electrical energy and is the basis of how electric companies charge for power usage.

5. When current flows in a resistance, _____ is produced

6. Calculate the power in a circuit where a source of 100V produces 2A in a 50-Ω resistor.

7. Calculate how much current is needed for a 600-W, 120-V toaster.

8. Calculate the overall resistance of the coils in 1500-W, 120-V hair-dryer.

9. Calculate how much power is generated in a 120V, 10amp power drill.

10. Convert 1.2kW into units of watts (W).

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