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Atomic theory

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| **Across****4.** a characteristic that can be observed without changing into another substance**5.** the number of protons of an atom**8.** Group 17 salt former**10.** the energy needed to take an electron from an atom**14.** composed of two or more elements**17.** created the visual model of an atom**19.** group 18**20.** J.J Thomson Created used blank to prove that atoms can be broken into smaller parts | **Down****1.** used the gold foil experiment **2.** a negative Subatomic particle**3.** half the distance between the centers of two atoms that are touching each other**6.** Same number of protons but different neutrons **7.** a characteristic that describes the ability to change into different substances**9.** most reactive of all metals**11.** an atoms ability to attract an electron**12.** a neutral subatomic particle**13.** a family with a group of elements with similar properties**15.** Father of atomic theory **16.** can not be broken down into simpler substances**18.** a positive charged subatomic particle |