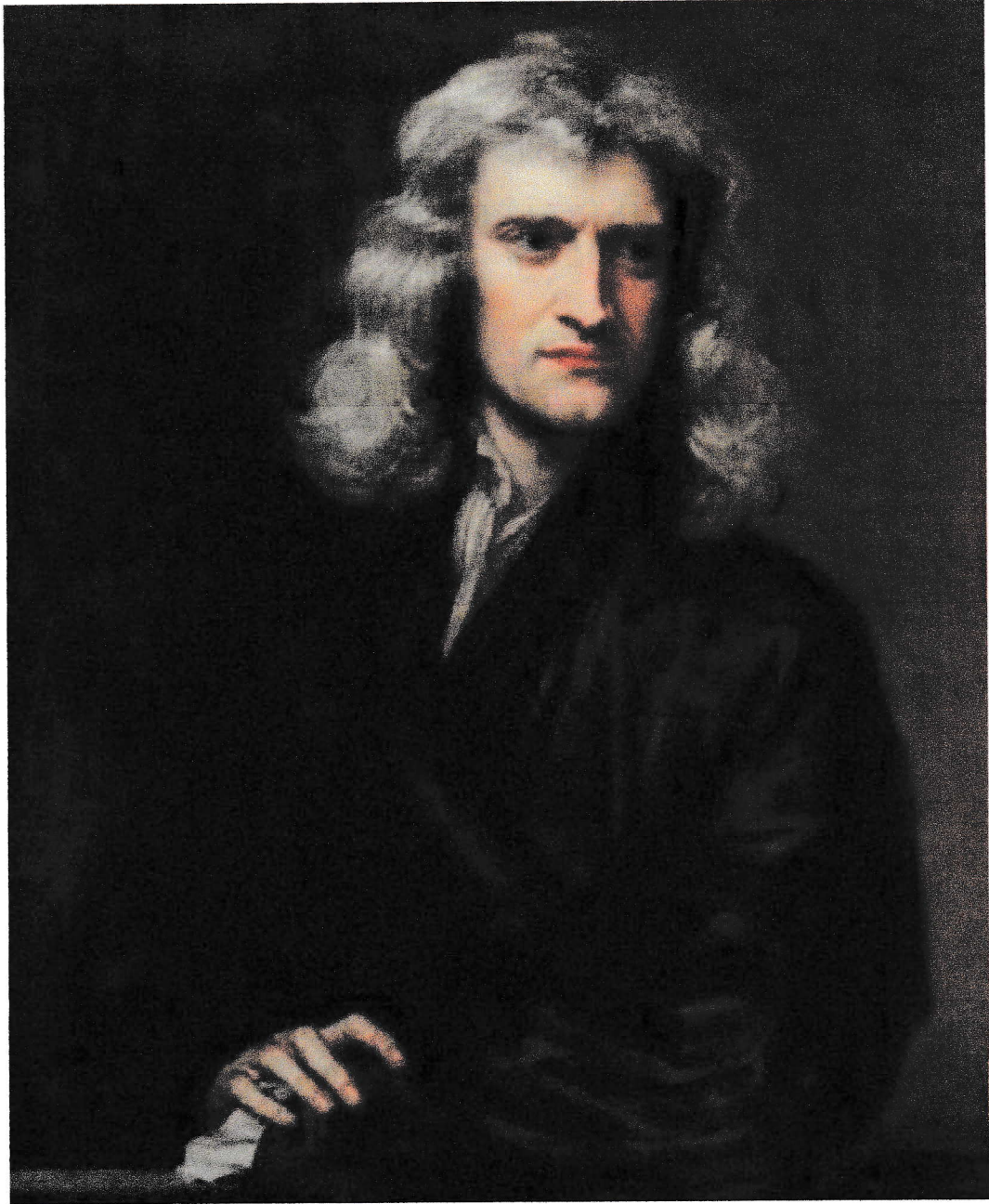


Isaac Newton



Sir Isaac Newton was born on January 4, 1643, in Woolsthorpe, England. Newton was the only son. When Newton was first born he was tiny and weak, Newton was supposed to die. His father died three months before Newton was born. He grew up with his maternal grandmother after his mother remarried when he was three years old. Newton's mother returned for the first time after his stepfather's death, in 1653. His mother had three children with his stepfather. These experiences most likely influenced Newton's personality which could be the likely reason for not publishing his scientific mathematical discoveries for years.

Isaac Newton was a physicist and mathematician, Newton developed the principle of modern physics, which includes the law of motion. Newton was credited as one of the greatest minds of the 17th century. When Newton was roughly 44 years old, he published his most popular work, *Philosophiæ Naturalis Principia Mathematica*, which was the most influential book on physics. Then when Newton was roughly 62, he was knighted by Queen Anne of England, which made him Sir Isaac Newton.

Newton has three laws of motion. The first states that if an object is at rest or moving at a constant speed in a line, it will remain at rest or keep moving in a line at constant speed unless it's acted upon by an outside force. The second states that the time rate of the energy in an object is equal in both magnitude and direction to the force imposed on it. Then the last one, the third one states that for every action, there is an equal and opposite reaction.

Newton also had some smaller inventions such as the cat door. The cat door was invented between 1642- 1727. Newton created the cat door so that his cat would not disturb him during the night. The cat door is an opening for a cat or dog to be able to roam around as they please. The cat door used to be a very simple design, but it got more complex over the years. The cat door is really good for protecting against wind, rain, etc.

Sir Issac Newton created a lot of other inventions, some smaller than others, never-the-less he had a lot of life-changing inventions such as The Philosopher's Stone, his discoveries in optics, Calculus, The Perfect Coin, etc. as a concussion, Newton had a very popular and successful life.