|  |  |  |
| --- | --- | --- |
| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_ | Period: \_\_\_\_\_\_\_ |

African American Inventors

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  |  |  |  |  |  |  |  | 1  G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  | 2  L | O | N | N | I | E | G | J | O | H | N | S | O | N |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | R |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | G |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 3  E | R | N | E | S | T | J | U | S | T |  |  |  |  | 4  M |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | W |  |  |  |  |  |  |  |  |  |  |  |  |  | I |  |  |  |  |  |
|  |  |  |  | 5  L | L | O | Y | D | H | A | L | L |  | 6  J |  |  | 7  G | E | O | R | G | E | G | R | A | N | T |  |  |
|  |  |  |  |  |  |  |  |  |  | R |  |  |  | A |  |  |  |  |  |  |  |  |  | I |  |  |  |  |  |
|  |  |  |  |  |  |  | 8  G | A | R | R | E | T | T | M | O | R | G | A | N |  |  |  |  | A |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | E |  |  |  | E |  |  |  |  |  |  |  |  |  | M |  |  |  |  |  |
|  |  |  |  |  |  |  |  | 9  J | A | N | E | R | N | S | T | M | 10  A | T | Z | E | L | I | G | E | R |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | R |  |  |  | W |  |  | L |  |  |  |  |  |  | B |  |  |  |  |  |
|  |  |  |  |  | 11  M | A | R | K | D | E | A | N |  | 12  E | D | W | I | N | R | R | U | S | S | E | L | L |  |  |  |
|  |  |  |  |  |  |  |  |  |  | E |  |  |  | S |  |  | C |  |  |  |  |  |  | N |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | D |  |  |  | T |  |  | E |  |  |  |  |  |  | J |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | J |  |  |  |  |  |  | P |  |  |  |  |  |  | A |  |  |  |  |  |
|  |  |  | 13  R | A | L | P | H | G | A | R | D | N | E | R | C | H | A | V | I | S |  |  |  | M |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | R |  |  |  |  |  |  | I |  |  |  |  |  |
|  |  |  |  |  |  |  | 14  M | A | D | A | M | C | J | W | A | L | K | E | R |  |  |  |  | N |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | E |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 15  S | A | I | N | T | E | L | M | O | B | R | A | D | Y |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across**  **2.** Created the supersoaker and ceramic battery  **3.** Fertilization and cell division developments  **5.** Developments in Science of Food Preservation  **7.** Invented the golf tee  **8.** Involved in creating gas mask and traffic light system  **9.** Created a lasting machine that connects the sole of a shoe to the top of a shoe  **11.** Architecture for modern computer systems to help systems communicate with other devices (ISA System BUS)  **12.** Manhattan project, seperated Plutonium from Uranium  **13.** Worked on Manhattan project  **14.** Hair products  **15.** first African American to earn a Ph.D. in the field of chemistry and established a faculty training program focusing on a technique known as infrared spectroscopy, which is used to identify various components in compounds. | **Down**  **1.** Involved in the Manhattan project  **4.** Invented the gong and signal chair  **6.** Invented Modern Electric microphone  **10.** Central heating furnace |