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

Nuclear physics

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | 1 |  |  |  |  |  |  |  |  |  |  | 2 |
| 3 |  |  |  |  | 4 |  |  |  |  |  |  | 5 |  |  |
|  |  |  |  |  | 6 |  |  |  |  |  |  |  |  |  |
| 7 |  | 8 |  |  |  |  |  |  |  |  |  |  | 9 |  |
|  |  |  |  |  |  |  |  |  |  | 10 |  |  |  |  |
| 11 |  |  |  |  | 12 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | 13 |  |  |  |  |  |  |  |
|  |  |  | 14 |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | 15 |  |  |  |  | 16 |  |  |  |
|  |  | 17 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 18 |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 19 |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |
| --- | --- |
| **Across**  **1.** Si unit of activity  **3.** Makes up everything  **4.** Non SI unit of activity  **6.** SI unit of exposure  **8.** Nuclide a that differ by change in N  **11.** High Radioactive particle that seems to move easily  **14.** All combinations of Z and A are called  **15.** Non SI unit of dose  **17.** International association  **18.** Nuclide a contain same A but have different Z and N  **19.** Process of exciting an atom | **Down**  **2.** Unit of one excitation  **5.** All unstable combinations of Z and A  **7.** Movement of radioactive material through the environment  **9.** Nuclide a that differ by change in Z  **10.** Combination of two atoms  **12.** United States regulatory agency for nuclear industries  **13.** So unit of affective dose  **16.** Division of an atom |