

# Radioactive tile race

Name: \_\_\_\_\_

|  |   |                               |  |   |
|--|---|-------------------------------|--|---|
|  | The nuclear reaction that powers the sun        |                               | The scientist who proved the existence of the nucleus in an atom |   |
| Radioactive gas which comes up through rocks |   | Mass number is number of      |  | Alpha stopped by (part of body)   |
|  | Number of protons in the nucleus is called      |                               | Form of radioactivity in smoke alarm                             |   |
| Ionizing radiation from outer space          |   | Mass number of alpha particle |  | Radiation with the highest penetrating power                            |
|  | Atomic number of alpha                          |                               | A helium nucleus   |   |
| Where protons and neutrons are in the atom   |   | Mass number of beta particle  |  | Nuclear reaction that happens in nuclear power station                  |
|  | the fuel in a nuclear reactor is Plutonium or ? |                               | Mass number of gamma ray   |   |
| Atomic number of ordinary beta               |   | Gamma stopped by (metal)      |  | The ??? of tritium is 12 years  |
|  | In Fission 2 or 3 ..... are released            |                               | Radiation with the highest ionizing power                        |   |
| Form of radioactivity in medical sterilizer  |   | Symbol for mass number        |  | Two atoms with same number of protons but different numbers of neutrons |