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| **Writing Nuclear Equations** |
| **#** | **Q** |
| 1 | Describe what happens to a nucleus during radioactive decay |  |
| 2 | Fill in the following for the three types of decay |
| Property | Alpha | Beta | Gamma |
| What is it? |  |  |  |
| Symbol |  |  |  |
| Charge |  |  |  |
| What stops it? |  |  |  |
| 3 | Which type of radiation is a packet of energy (photon) or a wave? |  |
| 4 | What type of radiation is a helium nucleus? |  |
| 5 | Which type of radiation is a super fast moving electron? |  |
| 6 | What type of decay results in an increase in the atomic number for the decay product |  |
| 7 | Which type of decay results in no change in atomic number for the decay product |  |





Describe what you see happening in this image. Include specifics as “evidence” to back up what you are seeing. Use full sentences.

GLUE THIS PART DOWN

*Nuclear Particles and Equations “Free Choice” – see p. 7 for ideas*