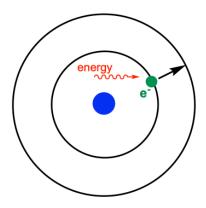
CONCEPT: GAMMA EMISSION

Gamma Radiatio	n is related to the electromagnetic	spectrum. Gamma rays have the h	ighest energy and therefore they
have	wavelength and	frequency.	

A gamma particle can be represented by ______.

- It causes no change in the atomic mass or atomic number and usually happens with alpha or beta decay.
- Gamma particles have the ______ ionizing power.
- Gamma particles have the _____ penetrating power so thick layers of lead shielding are needed.



EXAMPLE: Which of the following represents an element that has experienced a gamma emission?

a. Cl: $1s^22s^22p^63s^23p^5$

b. Be: 1s²2s²

c. Na: 1s²2s²2p⁶3p¹

d. N: $1s^22s^22p^3$