

38 Which row describes the relative ionizing power and the relative penetration power per unit length in air of  $\alpha$ -particles and  $\gamma$ -rays?

	$\alpha$ -particles	$\gamma$ -rays
A	least ionizing	least penetrating
B	least penetrating	most ionizing
C	most ionizing	most penetrating
D	most penetrating	least ionizing

39 A nucleus of sodium-21,  $^{21}\text{Na}$ , decays to form a new nucleus containing 10 protons.