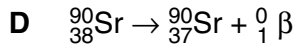
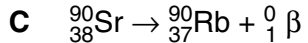
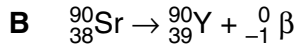
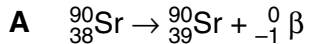


**39** Strontium- 90 ( $^{90}_{38}\text{Sr}$ ) is radioactive and emits  $\beta$ -particles.

Which equation could represent this nuclear decay?



**40** Protons and neutrons are thought to consist of smaller particles called quarks.