

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

Which equation could represent this nuclear decay?

- A** $^{90}_{38}\text{Sr} \rightarrow ^{90}_{39}\text{Sr} + {}^0_{-1}\beta$
- B** $^{90}_{38}\text{Sr} \rightarrow ^{90}_{39}\text{Y} + {}^0_{-1}\beta$
- C** $^{90}_{38}\text{Sr} \rightarrow ^{90}_{37}\text{Rb} + {}^0_1\beta$
- D** $^{90}_{38}\text{Sr} \rightarrow ^{90}_{37}\text{Sr} + {}^0_1\beta$

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