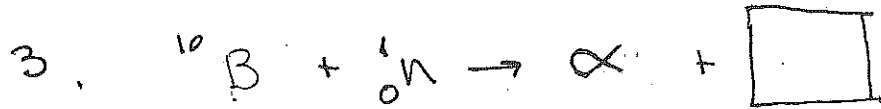


# Nuclear Quiz

Name \_\_\_\_\_

Per \_\_\_\_\_ & \_\_\_\_\_

Complete the Reaction



Write the reaction

5. Oxygen-20 emits a positron

6.  $^{233}\text{Th}$  emits a beta particle

7. Radon-226 emits an alpha particle

8. Which form of radiation is easiest to block?  
Why?

9. 20 g of a radioactive substance are initially present. How many grams remain after 40 days if the half-life is 8 days?

10. Q has a half-life of 200 yrs. What % of a sample will remain after 600 yrs?