

PDF Quiz 1
RDCH 702
Assigned: 29-Aug-18
Due: 5-Sep-18

Last Name: _____

First Name: _____

1. Define isotope?

2. What is the fission yield from ^{233}U for A=99 _____

3. Which has more stable isotopes, Ni, Cr or Fe? _____

4. What is the heaviest stable isotope? _____

5. What is gamma decay?

6. What is the decay mode of ^{100}Mo ? _____

7. Using the chart of the nuclides select the correct information for ^{235}U . Do not select information for $^{235\text{m}}\text{U}$

N=146 Undergoes beta decay Z=92 Half-life 26 minutes

spin 7/2 spin 1/2 Half-life 7.04E8 a Decays to ^{231}Th

8. Select the stable isotopes of Sn.

111 112 113 114 115 116 117

118 119 120 121 122 123 124

Electronic Signature: _____