

BLM – It's All Greek to Me: Radioactive Decay

Name: _____ Date: _____ Class: _____

Nuclear Decay Reactions Self-Assessment

Use the following statements to indicate what you know and can do (indicate with a check mark).

Alpha Decay

- _____ I have never heard of this
- _____ I have heard of this but do not understand the process
- _____ I think I somewhat understand the process
- _____ I know and understand the process
- _____ I know and understand this well enough to explain to another student

Beta Decay

- _____ I have never heard of this
- _____ I have heard of this but do not understand the process
- _____ I think I somewhat understand the process
- _____ I know and understand the process
- _____ I know and understand this well enough to explain to another student

Gamma Rays

- _____ I have never heard of them
- _____ I have heard of them but do not understand what they are
- _____ I think I somewhat understand what they are
- _____ I know and understand what they are
- _____ I know and understand what they are well enough to explain to another student

Nuclear Reaction Equations

- _____ I have never heard of them
- _____ I have heard of them but do not understand how to do them
- _____ I think I somewhat understand how to do them
- _____ I know and understand how to do them
- _____ I know and understand how to do them well enough to explain to another student

Uranium-238 Decay Series

- _____ I have never heard of it
- _____ I have heard of it but do not understand how to put the reactions in the correct order
- _____ I think I somewhat understand how to put the reactions in the correct order
- _____ I know and understand how to put the reactions in the correct order
- _____ I know and understand how to put the reactions in the correct order well enough to explain to another student