Name:	
Class:	
Due Date:	

E.4 Fission

Understandings

- o Energy is released in spontaneous and neutron-induced fission.
- o The role of chain reactions in nuclear fission reactions.
- The role of control rods, moderators, heat exchangers, and shielding in a nuclear power plant.
- o The properties of the products of nuclear fission and their management.

The solutions can be found on the YouTube channel Go Physics Go:

https://www.youtube.com/@gophysicsgo/playlists

1.	Define nuclear fission.	
2.	Give two examples of <i>nuclear fission</i> :	
3.	Define chain reaction.	
4.	Define critical mass. Units?	
		gophysicsgo.com

5.	Define induced process.
6.	What are the uses of the following objects in a nuclear reactor? a. control rod
	b. moderator
	c. heat exchanger
	d. fuel rod
7.	State two benefits and two drawbacks to using <i>nuclear power</i> .