

NOTE-TAKING GUIDE: Unit 11, SEGMENT D

Name:

Date:

Main Ideas, Key Points, Questions:

After watching the video segment, write down key points, main ideas and big questions.

Objective(s):

- To use physical models to explain the fusion of hydrogen to form new elements.
- To explain the formation of elements heavier than iron in supernova explosions.

IN	۱I	a	. 7	n	
	м			-	-
	ш	•	ഥ		

During the video segment, use words, phrases or drawings to take notes.

Summary:

After watching the video segment, write at least three sentences explaining what you learned. You can ask yourself: "If I was going to explain this to someone else, what would I say?"



QUESTIONS TO CONSIDER: Unit 11, SEGMENT D

Name:

Date:

After watching the video and performing any associated labs and/or experiments, you should be able to answer the following:

1.	What do we mean by a Z/N ratio?
2.	What is nuclear fusion?
3.	How can nuclear fusion cause two hydrogen nuclei to form a helium nucleus?
4.	Why can fusion in a star the size of the Sun not produce nuclei larger than an iron nucleus?
	will now engage in a model of the nuclear fusion process using miniature marshmallows. When you have completed sactivity, you may continue the Unit 11D video.
5.	In your marshmallow model of nuclear fusion, your hands crush the marshmallows together. What forces causes this fusion in a star?
6.	What does the piece of pasta placed next to the helium nucleus represent?