## NOVA Video Questions: *Hunting the Elements*

Name:	Period:	Date:	
Answer the questions that	follow to the best of you	ur ability. The questions are in o	chronological order.
1) Where does an eleme	nt take its identity from?	<sup>2</sup> (5:30)	
2) How much gold (Au) is	extracted per ton of roc	k ore? (8:30)	
3) How much does a gold	(Au) bar weigh and hov	v much is it worth? (13:00)	
4) Why is copper (Cu) so	widely sought on the wo	orld market and New York Merc	antile Exchange? (16:00)
5) What is copper (Cu) co	mbined with to make bro	onze? (18:00)	
6) What makes metals like	e Copper (Cu) conductiv	ve to electricity? (20:00)	
7) Bronze is an alloy. Wha	at is an alloy and why ar	e they preferable at times? (22:	:00)
8) How does the atomic a (Au) and tin (Sn) atoms? (		ad to its crystal structure like wa	as seen in the sample of bronze with gold
9) What is the atomic num	iber and what does the	atomic number indicate? (34:00	0)
10) Most of the periodic ta	able is made of what typ	e of elements? (35:00)	
11) How did early chemist	s like Mendeleev classit	fy the elements? (38:00)	
12) How is the periodic tal	ble structured with rega	rd to elements with similar prop	erties? (40:00)
13) What makes noble ga	ses stable? (43:00)		

