

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Period: \_\_\_\_\_

# NOVA: Hunting the Elements

## Part 1: Basic Chemistry

### Periodic Table of Elements

Use the periodic table below to help you answer some questions covered in the documentary.

1 H																	2 He	
3 Li	4 Be											5 B	6 C	7 N	8 O	9 F	10 Ne	
11 Na	12 Mg											13 Al	14 Si	15 P	16 S	17 Cl	18 Ar	
19 K	20 Ca	21 Sc	22 Ti	23 V	24 Cr	25 Mn	26 Fe	27 Co	28 Ni	29 Cu	30 Zn	31 Ga	32 Ge	33 As	34 Se	35 Br	36 Kr	
37 Rb	38 Sr	39 Y	40 Zr	41 Nb	42 Mo	43 Tc	44 Ru	45 Rh	46 Pd	47 Ag	48 Cd	49 In	50 Sn	51 Sb	52 Te	53 I	54 Xe	
55 Cs	56 Ba	57-76 *	71 Lu	72 Hf	73 Ta	74 W	76 Re	77 Os	78 Ir	79 Pt	80 Au	81 Hg	82 Tl	83 Pb	84 Bi	85 Po	86 At	88 Rn
87 Fr	88 Ra	89-102 **	103 Lr	104 Rf	105 Db	106 Sg	107 Bh	108 Hs	109 Mt	110 Uun	111 Uuu	112 Uub	114 Uuq					

\* Lanthanide series

57 La	58 Ce	59 Pr	60 Nd	61 Pm	62 Sm	63 Eu	64 Gd	65 Tb	66 Dy	67 Ho	68 Er	69 Tm	70 Yb
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\*\* Actinide series

89 Ac	90 Th	91 Pa	92 U	93 Np	94 Pu	95 Am	96 Cm	97 Bk	98 Cf	99 Es	100 Fm	101 Md	102 No
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### Gold - Au

- Write the number of subatomic particles in gold:
  - Protons: **79**
  - Neutrons: **118**
  - Electrons: **79**
- Give one property of gold.  
**shiny, malleable (soft), high density, electrically conductive**
- How much gold is in one ton of the mined rock?  
**1 ounce**

# Nova Hunting The Elements Pbs Answers

**James M. Scott**



### **Nova Hunting The Elements Pbs Answers:**

**The Jesus Revolution** James M. Scott, 2023-02-24 This introduction to a biblical theology of the New Testament seeks to revitalize our engagement with the Scriptures for the twenty first century by showing not only how the assemblage of ancient writings consisting of both Old and New Testaments is intrinsically relevant but also how we can remain faithful to Jesus Christ the organizing principle of those writings in the process The book is an invitation to all people of goodwill believers and unbelievers liberals and conservatives to put aside their differences in order to cooperate in the revolution that Jesus inaugurated the creation of a new and better world in the here and now as an anticipation of the eschatological finale In an age in which many people are overwhelmed by life and looking for ways to cope this book offers fresh perspectives and penetrating insights that are grounded in solid biblical scholarship with the aid of contemporary philosophical concepts

## **Nova Hunting The Elements Pbs Answers** Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the ability of words has be more evident than ever. They have the ability to inspire, provoke, and ignite change. Such could be the essence of the book **Nova Hunting The Elements Pbs Answers**, a literary masterpiece that delves deep into the significance of words and their affect our lives. Compiled by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall impact on readers.

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