

PERIODIC TABLE PUZZLE

Name _____

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
I																	
	F														G	H	
													B				A
C								E				J					

		D															

Place the letter of each of the above elements next to its description below.

1. An alkali metal _____
2. An alkaline earth metal _____
3. An inactive gas _____
4. An active nonmetal _____
5. A semi-metal _____
6. An inner transition element _____
7. Its most common oxidation state is -2. _____
8. A metal with more than one oxidation state _____
9. Metal with an oxidation number of +3 _____
10. Has oxidation numbers of +1 and -1 _____



Periodic Table Puzzle Answers

Lingjun Ying



Periodic Table Puzzle Answers:

Recognizing the way ways to acquire this ebook **Periodic Table Puzzle Answers** is additionally useful. You have remained in right site to begin getting this info. acquire the Periodic Table Puzzle Answers belong to that we provide here and check out the link.

You could buy guide Periodic Table Puzzle Answers or acquire it as soon as feasible. You could quickly download this Periodic Table Puzzle Answers after getting deal. So, subsequently you require the books swiftly, you can straight get it. Its thus categorically easy and consequently fats, isnt it? You have to favor to in this broadcast

https://crm.avenza.com/files/detail/fetch.php/Section_4_Invaders_Traders_And_Empire_Builders.pdf

Table of Contents Periodic Table Puzzle Answers

1. Understanding the eBook Periodic Table Puzzle Answers
 - The Rise of Digital Reading Periodic Table Puzzle Answers
 - Advantages of eBooks Over Traditional Books
2. Identifying Periodic Table Puzzle Answers
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Periodic Table Puzzle Answers
 - User-Friendly Interface
4. Exploring eBook Recommendations from Periodic Table Puzzle Answers
 - Personalized Recommendations
 - Periodic Table Puzzle Answers User Reviews and Ratings
 - Periodic Table Puzzle Answers and Bestseller Lists
5. Accessing Periodic Table Puzzle Answers Free and Paid eBooks

- Periodic Table Puzzle Answers Public Domain eBooks
 - Periodic Table Puzzle Answers eBook Subscription Services
 - Periodic Table Puzzle Answers Budget-Friendly Options
6. Navigating Periodic Table Puzzle Answers eBook Formats
 - ePub, PDF, MOBI, and More
 - Periodic Table Puzzle Answers Compatibility with Devices
 - Periodic Table Puzzle Answers Enhanced eBook Features
 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Periodic Table Puzzle Answers
 - Highlighting and Note-Taking Periodic Table Puzzle Answers
 - Interactive Elements Periodic Table Puzzle Answers
 8. Staying Engaged with Periodic Table Puzzle Answers
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Periodic Table Puzzle Answers
 9. Balancing eBooks and Physical Books Periodic Table Puzzle Answers
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Periodic Table Puzzle Answers
 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
 11. Cultivating a Reading Routine Periodic Table Puzzle Answers
 - Setting Reading Goals Periodic Table Puzzle Answers
 - Carving Out Dedicated Reading Time
 12. Sourcing Reliable Information of Periodic Table Puzzle Answers
 - Fact-Checking eBook Content of Periodic Table Puzzle Answers
 - Distinguishing Credible Sources
 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks

14. Embracing eBook Trends

- Integration of Multimedia Elements
- Interactive and Gamified eBooks

Periodic Table Puzzle Answers Introduction

In today's digital age, the availability of Periodic Table Puzzle Answers books and manuals for download has revolutionized the way we access information. Gone are the days of physically flipping through pages and carrying heavy textbooks or manuals. With just a few clicks, we can now access a wealth of knowledge from the comfort of our own homes or on the go. This article will explore the advantages of Periodic Table Puzzle Answers books and manuals for download, along with some popular platforms that offer these resources. One of the significant advantages of Periodic Table Puzzle Answers books and manuals for download is the cost-saving aspect. Traditional books and manuals can be costly, especially if you need to purchase several of them for educational or professional purposes. By accessing Periodic Table Puzzle Answers versions, you eliminate the need to spend money on physical copies. This not only saves you money but also reduces the environmental impact associated with book production and transportation. Furthermore, Periodic Table Puzzle Answers books and manuals for download are incredibly convenient. With just a computer or smartphone and an internet connection, you can access a vast library of resources on any subject imaginable. Whether you're a student looking for textbooks, a professional seeking industry-specific manuals, or someone interested in self-improvement, these digital resources provide an efficient and accessible means of acquiring knowledge. Moreover, PDF books and manuals offer a range of benefits compared to other digital formats. PDF files are designed to retain their formatting regardless of the device used to open them. This ensures that the content appears exactly as intended by the author, with no loss of formatting or missing graphics. Additionally, PDF files can be easily annotated, bookmarked, and searched for specific terms, making them highly practical for studying or referencing. When it comes to accessing Periodic Table Puzzle Answers books and manuals, several platforms offer an extensive collection of resources. One such platform is Project Gutenberg, a nonprofit organization that provides over 60,000 free eBooks. These books are primarily in the public domain, meaning they can be freely distributed and downloaded. Project Gutenberg offers a wide range of classic literature, making it an excellent resource for literature enthusiasts. Another popular platform for Periodic Table Puzzle Answers books and manuals is Open Library. Open Library is an initiative of the Internet Archive, a non-profit organization dedicated to digitizing cultural artifacts and making them accessible to the public. Open Library hosts millions of books, including both public domain works and contemporary titles. It also allows users to borrow digital copies of certain books for a limited period, similar to a library lending system. Additionally, many universities

and educational institutions have their own digital libraries that provide free access to PDF books and manuals. These libraries often offer academic texts, research papers, and technical manuals, making them invaluable resources for students and researchers. Some notable examples include MIT OpenCourseWare, which offers free access to course materials from the Massachusetts Institute of Technology, and the Digital Public Library of America, which provides a vast collection of digitized books and historical documents. In conclusion, Periodic Table Puzzle Answers books and manuals for download have transformed the way we access information. They provide a cost-effective and convenient means of acquiring knowledge, offering the ability to access a vast library of resources at our fingertips. With platforms like Project Gutenberg, Open Library, and various digital libraries offered by educational institutions, we have access to an ever-expanding collection of books and manuals. Whether for educational, professional, or personal purposes, these digital resources serve as valuable tools for continuous learning and self-improvement. So why not take advantage of the vast world of Periodic Table Puzzle Answers books and manuals for download and embark on your journey of knowledge?

FAQs About Periodic Table Puzzle Answers Books

1. Where can I buy Periodic Table Puzzle Answers books? Bookstores: Physical bookstores like Barnes & Noble, Waterstones, and independent local stores. Online Retailers: Amazon, Book Depository, and various online bookstores offer a wide range of books in physical and digital formats.
2. What are the different book formats available? Hardcover: Sturdy and durable, usually more expensive. Paperback: Cheaper, lighter, and more portable than hardcovers. E-books: Digital books available for e-readers like Kindle or software like Apple Books, Kindle, and Google Play Books.
3. How do I choose a Periodic Table Puzzle Answers book to read? Genres: Consider the genre you enjoy (fiction, non-fiction, mystery, sci-fi, etc.). Recommendations: Ask friends, join book clubs, or explore online reviews and recommendations. Author: If you like a particular author, you might enjoy more of their work.
4. How do I take care of Periodic Table Puzzle Answers books? Storage: Keep them away from direct sunlight and in a dry environment. Handling: Avoid folding pages, use bookmarks, and handle them with clean hands. Cleaning: Gently dust the covers and pages occasionally.
5. Can I borrow books without buying them? Public Libraries: Local libraries offer a wide range of books for borrowing. Book Swaps: Community book exchanges or online platforms where people exchange books.
6. How can I track my reading progress or manage my book collection? Book Tracking Apps: Goodreads, LibraryThing,

and Book Catalogue are popular apps for tracking your reading progress and managing book collections. Spreadsheets: You can create your own spreadsheet to track books read, ratings, and other details.

7. What are Periodic Table Puzzle Answers audiobooks, and where can I find them? Audiobooks: Audio recordings of books, perfect for listening while commuting or multitasking. Platforms: Audible, LibriVox, and Google Play Books offer a wide selection of audiobooks.
8. How do I support authors or the book industry? Buy Books: Purchase books from authors or independent bookstores. Reviews: Leave reviews on platforms like Goodreads or Amazon. Promotion: Share your favorite books on social media or recommend them to friends.
9. Are there book clubs or reading communities I can join? Local Clubs: Check for local book clubs in libraries or community centers. Online Communities: Platforms like Goodreads have virtual book clubs and discussion groups.
10. Can I read Periodic Table Puzzle Answers books for free? Public Domain Books: Many classic books are available for free as they're in the public domain. Free E-books: Some websites offer free e-books legally, like Project Gutenberg or Open Library.

Find Periodic Table Puzzle Answers :

~~section 4 invaders traders and empire builders~~

~~self publishing a book product manual guide~~

~~seiko sujg43 watches owners manual~~

section quiz the nature of interest groups answers

~~section 5 multicellular life study guide a answer sheet~~

~~seiki xl mill service manual~~

~~seergaze quest guide~~

~~section 9 using everyday equation~~

~~section section review in holts physics~~

~~sedra smith microelectronic circuits solution manual~~

~~seiko skxa35 watches owners manual~~

section 6 running water this

~~seiko instruments slp200 printers owners manual~~

~~seimens gigaset user manual~~

section 3 guided industrialization spreads answers

Periodic Table Puzzle Answers :

hope springs books 1 3 three christian romances in one - Nov 17 2021

hope springs books 1 3 a christian romance box set hope - Jan 20 2022

hope springs books 1 3 a christian romance box set hope - Dec 19 2021

pdf hope springs books 1 3 a christian romance box set - Jul 26 2022

web way accompanied by them is this hope springs books 1 3 a christian romance box se that can be your partner when calls the heart janette oke 2005 02 a lovely eastern

hope springs books 1 3 three christian romances - Sep 08 2023

web hope springs books 1 3 a christian romance box set hope springs box sets book 1 ebook bodden valerie m amazon co uk kindle store

hope springs books 4 6 box set three small town - Jul 06 2023

web hope springs series 9 primary works 11 total works while the books in the hope springs series are linked each features a complete romance about a different couple

hope springs books 1 3 a christian romance box se pdf - Apr 22 2022

web abebooks com hope springs books 1 3 three christian romances in one collection hope springs box sets hope springs books 1 3 three christian romances in

hope springs books 1 3 a christian romance box se - May 24 2022

web hope springs books 1 3 a christian romance box set hope springs box sets book 1 ebook bodden valerie m amazon in kindle store

hope springs books 1 3 a christian romance box se valerie - Feb 18 2022

amazon com customer reviews hope springs books 1 3 three - Nov 29 2022

web read the latest magazines about pdf hope springs books 1 3 a christian romance box set hope springs box sets book 1 english edition frei and discover

hope springs books 1 3 a christian romance box se copy - Mar 22 2022

hope springs books 1 3 three christian romances in one - Sep 27 2022

web hope springs books 1 3 a christian romance box set 1 hope springs books 1 3 a christian romance box set finally home mistletoe and wedding bells the second

hope springs books 1 3 a christian romance box set hope - Aug 27 2022

web hope springs books 1 3 a christian romance box set matters of the heart hope springs eternal choices of the heart hope springs eternal in the priestly breast love

hope springs books 1 3 three christian romances in one - Dec 31 2022

web see why readers are falling in love with the heartwarming hope springs christian romance series three fast paced emotional romances in one collection not until

hope springs books 1 3 a christian romance box set - Feb 01 2023

web hope springs books 1 3 three christian romances in one collection bodden valerie m amazon fr livres hope springs box sets nombre de pages de l'édition

hope springs books 1 3 box set three small town - Oct 09 2023

web see why readers are falling in love with the heartwarming hope springs christian romance series three fast paced emotional romances in one collection not until

hope springs books 1 3 three christian romances - May 04 2023

web abebooks com hope springs books 1 3 three christian romances in one collection hope springs box sets hope springs books 1 3 three christian romances in

hope springs books 4 6 box set three small town christian - Oct 29 2022

web until christmas morning is a heartwarming christian romance filled with faith love and the reminder to trust god even if not until christmas morning is such an inspiring and

hope springs books 4 6 three christian romances - Jun 24 2022

web hope springs books 1 3 a christian romance box set hope springs box sets book 1 ebook bodden valerie m amazon com au kindle store

hope springs books 1 3 a christian romance box set hope - Jun 05 2023

web hope springs books 1 3 a christian romance box set hope springs box sets book 1 ebook bodden valerie m amazon ca kindle store

hope springs books 1 3 three christian romances in one - Aug 07 2023

web valerie m bodden hope springs books 1 3 box set get hope springs books 1 3 now fall in love with the people of hope springs in this collection containing the first

hope springs series by valerie m bodden goodreads - Mar 02 2023

web hope springs books 4 6 box set three small town christian romances ebook bodden valerie m amazon co uk kindle store

valerie m bodden hope springs books 1 3 box set - Apr 03 2023

web find helpful customer reviews and review ratings for hope springs books 1 3 three christian romances in one collection at amazon com read honest and unbiased

easy v ray 3dsmax exterior render settings youtube - Aug 03 2022

web aug 2 2018 exterior render settings for v ray 3 6 this setting will provide you high quality render in vray 3dsmax

sketchup vray exterior render youtube - Sep 04 2022

web sketchup vray exterior render file is here drive google com open id 16oa credit to en chado pro architecture the texture texturebox com tb fine wood t

exterior architectural visualization in v ray 6 3ds max youtube - Aug 15 2023

web jul 13 2022 check out my 3ds max visualization courses beginner intermediate level archvizartist com visualizations advanced level archvi

como hacer un render exterior en 5 pasos vray - Feb 26 2022

web como hacer un render exterior en 5 pasos vray sketchup 04 fer 53 6k subscribers join subscribe 156k views 3 years ago vray para sketchup recursos gratuitos

exterior render settings v ray 3 4 for sketchup - Jan 08 2023

web in order to fully understand the possible render output in v ray using various environment settings such as v ray sun and sky domelight hdri and v ray environment hdri i made a simple rendering experimentation that highlights different parameters or settings which generally affect the tonality and atmosphere of the rendered image output

vray 5 exterior render setup tutorial quick settings youtube - May 12 2023

web nov 11 2020 the video shows a quick set up for a realistic exterior rendering using hdri for lighting and vray 5 for rendering set back and enjoy the tutorial software 3ds max 2021 show more

3ds max 2021 v ray 5 complete exterior rendering tutorial for youtube - Jun 13 2023

web mar 31 2021 this video is about 3ds max 2021 v ray 5 complete exterior rendering tutorial for beginners here you can learn how to set up the v ray camera lights materials textures and render settings

the key steps to rendering exteriors with vray for sketchup - Jul 14 2023

web dec 28 2019 it walks through 7 key tips when creating an exterior renderin are you new to vray for sketchup this is the video we wish existed when we first got started

v ray 3d rendering software chaos - Nov 06 2022

web chaos v ray is a 3d rendering plugin available for all major 3d design and cad programs it works seamlessly with 3ds max cinema 4d houdini maya nuke revit rhino sketchup and unreal with v ray artists and designers can explore and share their projects with real time ray tracing and render high quality 3d visualizations

sketchup vray exterior render youtube - Oct 05 2022

web sketchup vray exterior render kg studio 97k subscribers subscribe 3 8k 176k views 2 years ago sketchup vraynext vraynextforsketchup sketchup vray exterior render credit to owner of this

vray render preset exterior free download 3d models stlfinder - Jan 28 2022

web exterior scene for c4d and vray render setup materials lights included easy to customize cinema 4d vray exterior render settings 3docean quick and very professional vray for cinema 4d render settings you need only to place your scene or object and hit the render button the setup is for complex exterior architecture or objects scenes

como hacer un render exterior en sketchup vray 5 parte 1 youtube - Dec 27 2021

web 71k views 2 years ago aprendamos hacer renders exteriores saludos a todos hoy veremos la configuracion de iluminación exterior con hdri link del curso avanzado

lesson 2 exterior rendering v ray for sketchup global site - Jun 01 2022

web the v ray fur is a procedurally generated geometry that can be used to simulate effects like fur hair and grass in this module we use it to quickly setup some grass for the front lawn the length thickness bend and taper parameters allows us to control the look of each individual strand

exterior architectural rendering with v ray domestika - Mar 30 2022

web architectural studio visualfabrik focuses on visualizing architecture from its exterior as much as its interiors revealing a lifestyle in the midst of nature spaces to relax and enjoy transmitting a feeling that goes further than a simple image

vray exterior lighting rendering video tutorial vrayschool - Mar 10 2023

web jul 23 2015 vray exterior lighting rendering the easy steps to realistic render in this video tutorial i m going to show you my step by step method for setting up an exterior scene which will display your architecture in the most brilliant way by using 3dsmax vray photoshop

exterior renders tutorial mohammad qtaishat using v ray - Dec 07 2022

web how i create big exterior renders with v rayby mohammad qtaishat our courses are available for v ray for 3ds max sketchup and rhino and translated in english spanish and italian

exterior preset duplex 2021 vray vrayschool - Feb 09 2023

web sep 26 2021 vray exterior preset as a part of smart vray workflow this is one of my most valuable presets for dusk exterior shots the most beautiful time of the day producers call it golden hour and it lasts 5 10 minutes lucky for us we can

capture that moment to produce exterior renders

realistic exterior rendering with vray 5 for sketchup youtube - Apr 11 2023

web oct 21 2021 9 11k views 1 year ago vray5 sketchuptutorial vray5 sketchuptutorial vrayfor sketchup this video shows how to make exterior realistic rendering with vray 5 for sketchup

sketchup vray 5 exterior 7 realistic environment settings youtube - Jul 02 2022

web aug 26 2021 sketchup vray 5 exterior 7 realistic environment settings sun and sky desiredspace 13 2k subscribers subscribe 2 3k share 120k views 1 year ago model

vray render setting for exterior pdf document - Apr 30 2022

web oct 23 2015 page 13 layers in photoshop after the gamma or color correction copy the layer set blend mode to overlay then put 25 on the transparency this will boost contrast and color then copy layer again and go to filter select

mathématiques collège collection transmath sites compagnons - Nov 12 2022

web le site de la collection transmath présente les manuels scolaires et cahiers nathan en mathématiques pour le collège 6e 5e 4e 3e et propose aux enseignants des ressources numériques gratuites à télécharger

transmath 3e livre de l élève 9782091729404 Éditions nathan - Mar 04 2022

web a desrousseaux m girin d jacquemoud a jorioz a keller j m lécole a plantiveau f puigrédo m vedrine sous la direction de j malaval collection transmath maths collège parution avril 2021 les plus du produit

nouveau transmath 3e livre du professeur 1999 leslibraires fr - Sep 10 2022

web aug 26 1999 découvrez et achetez nouveau transmath 3e livre du professeur 1999 philippe sérès christiane planchat robert mor nathan sur leslibraires fr

transmath 3e nathan matériel Éducatif - Oct 11 2022

web spécial 2016 le manuel numérique enseignant est offert aux adoptants des manuels papier nouveau les qcm transmath 3e sur la plateforme d apprentissage viascola de 350 exercices pour faire progresser tous vos élèves en mathématiques À découvrir ici

cahier transmath 3e 2021 site compagnon Éditions nathan - Jan 14 2023

web partager un cahier de mathématiques bi média réunissant le meilleur du papier et le meilleur du numérique conforme aux programmes officiels et aux repères de progressivité ce site est destiné aux professeurs

transmath 3e livre du professeur grand format decitre - Feb 15 2023

web jul 26 2021 le livre du professeur du manuel transmath 3e 2021 permet un gain de temps précieux corrigés suggestions pour vos cours propositions de devoirs la version numérique du livre du professeur est offerte aux adoptants du manuel papier et accessible sur le site compagnon transmath nathan fr les différents chapitres du livre

transmath mathématiques 3è 2016 livre du professeur fnac - Aug 09 2022

web dec 7 2016 livre du professeur nouveau programme 2016 transmath mathématiques 3è 2016 livre du professeur joël malaval collectif nathan des milliers de livres avec la livraison chez vous en 1 jour ou en magasin avec 5 de réduction

nouveau transmath 3e professeur - Jul 08 2022

web axiomatic treatment of computer arithmetic maths 3e feb 27 2023 un an de nouveautés may 06 2021 transmath 3e jan 14 2022 mathématiques 4e aug 09 2021 math 3e aug 21 2022 transmath 3e jan 26 2023 transmath 3e dec 13 2021 le cahier transmath 4e jun 07 2021 transmath 3e feb 15 2022 le cahier transmath 3e cycle 4 jun 19

nouveau transmath 3e professeur by malaval - May 06 2022

web sep 18 2023 avril 3rd 2020 nouveau transmath 3e livre du professeur 1999 programme 99 joël malaval denise courbon nathan 3 80 mathématiques 3e programme 99 joël malaval denise courbon nathan 6 99 transmath 4e programme 98 joël malaval nathan 3 80 transmath mathématiques cycle 4 2016

transmath 3e livre du professeur manuels scolaires rakuten - Jun 07 2022

web transmath 3e livre du professeur pas cher retrouvez tous les produits disponibles à l achat dans notre catégorie manuels scolaires

transmath 3e 2016 site compagnon Éditions nathan - Apr 17 2023

web le site compagnon du manuel scolaire transmath 3e 2016 collège programmes 2016 propose aux enseignants des ressources gratuites et téléchargeables l intégralité du livre du professeur les indicateurs de réussite des tâches complexes des exercices les fichiers tice des projets d epi des vidéos tutorielles

manuel transmath 3e 2021 professeur cns edu com - Jul 20 2023

web le manuel numérique enseignant de mathématiques 3e de la collection transmath reprend l intégralité du manuel papier et est enrichi par des ressources variées et de qualité vidéos qcm interactifs fichiers scratch geogebra

collection transmath Éditions nathan - May 18 2023

web transmath une collection complète conforme au programme officiel et aux repères de progression notre collection transmath est adaptée à tous les élèves et est reconnue pour la qualité de ses ouvrages consultez les extraits de nos manuels et cahiers et testez leur démo numérique enseignant en un seul clic

cahier transmath 3e Édition 2021 nathan matériel Éducatif - Dec 13 2022

web découvrez la version numérique pour l enseignant du cahier de transmath 3e 2021 à projeter en classe avec ou sans les corrigés des ressources multimédia pour animer vos cours offert aux adoptants du cahier papier

transmath 3e 2021 site compagnon Éditions nathan - Aug 21 2023

web le site compagnon du manuel transmath 3e destiné aux enseignants propose gratuitement de nombreuses ressources

web nouveau transmath 3e professeur mathmatiques 3e mar 17 2023 le cahier transmath 3e cycle 4 jan 15 2023 livres du
mois juil aout 1999 7 8 jun 27 2021 letopis matice srpske dec 22 2020 le grand livre des abeilles jan 23 2021 math 3e dec 14
2022 merry christmas splat nov 20 2020

web une prise en compte du nouveau brevet en 3e fin de cycle 4 transmath 3e jun 12 2023 maths 3e may 31 2022 maths 3e
apr 29 2022 mathématiques 3e mar 09 2023 maths 3e jul 13 2023 transmath 6e cycle 3 sep 03 2022 □□ □□□□□□ □□□□□□□□
apr 10 2023 mathématiques cycle 4 5e 4e 3e transmath nov 24 2021

web le manuel numérique enseignant de mathématiques 3e de la collection transmath reprend l'intégralité du manuel papier et est enrichi par des ressources variées et de qualité vidéos qcm interactifs fichiers scratch geogebra consultable en ligne et hors ligne téléchargeable sur tous supports pour une utilisation nomade

web le livre du professeur du manuel transmath 3e 2021 permet un gain de temps précieux corrigés suggestions pour vos cours propositions de devoirs la version numérique du livre du professeur est offerte aux adoptants du manuel papier et accessible sur le site compagnon transmath nathan fr

web transmath 3e may 09 2023 transmath 3e jul 31 2022 guide des manuels scolaires collège jun 17 2021 maths 3e may 29 2022 cambridge igcse first language english coursebook with free digital content jan 13 2021 up to date resources providing full coverage of cambridge igcse first language english 0500 and 0522 for first