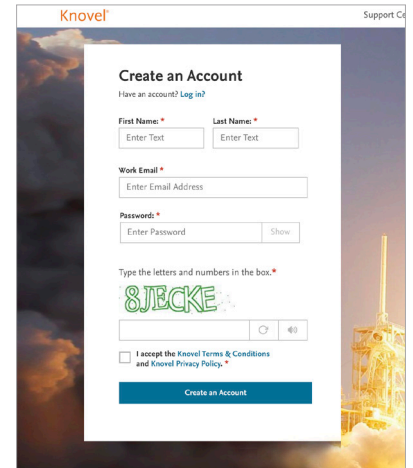# Knovel quick start guide

Knovel quickly delivers trusted, accessible and relevant engineering answers and insights for Industry & Academia—building foundational engineering knowledge and solving problems with high business impact.

Getting Started With Knovel—Registration

Visit **app.knovel.com** and click **Create Account** to register with Knovel.
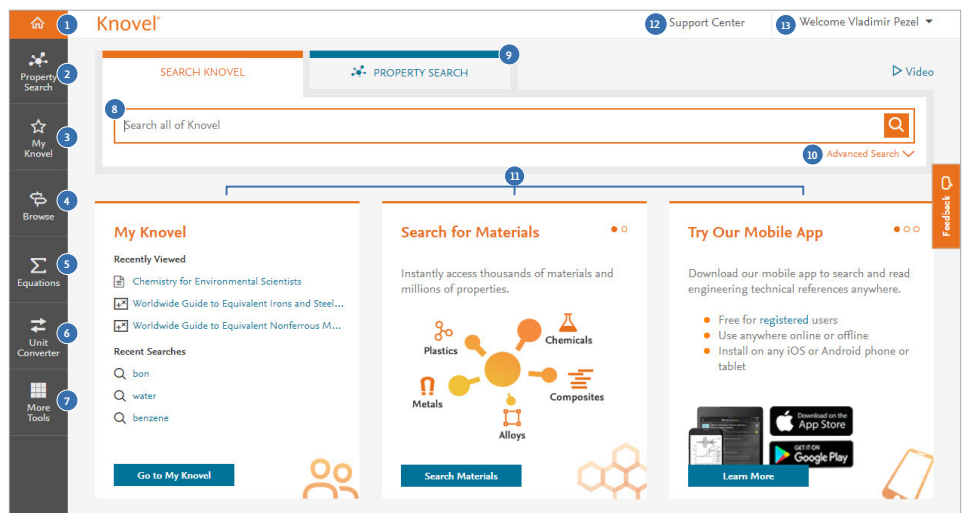
Benefits of registering:

- Print & download content for offline use

- Save, organize & share content with colleagues

- Create notes & highlights on content

Knovel Homepage

The Knovel homepage is your starting point to discovering Knovel's technical reference content, data and interactive tools to solve data-driven problems and gain foundational knowledge.

1. **Home:** Returns you to this page

2. **Property search:** Find material and property data from interactive graphs and tables

3. **My Knovel:** Save, organize, and share your favorite content, queries and data

4. **Browse:** Browse all Knovel content by subject areas

5. **Equations:** Find and use engineering equations and worked examples

6. **Unit converter:** Covert units of measure

7. **More tools:** Integration and other tools, including the Excel Add-in, Periodic Table, instructions for downloading the My Knovel ToGo mobile app and more

8. **Search:** Search using keywords, title or author

9. **Property search:** Use Knovel's query builder to find materials or substances and their properties

10. **Advanced search:** Use advanced search to search for specific titles, authors, publishers, and other information

11. **Information panels:** Displays your recent search activity, newly added content and other featured announcements from Knovel

12. **Support center:** Visit Knovel's Support Center to find answers to your questions on using Knovel

13. **Welcome:** Update profile details, change your password, access mobile authentication / license and log out

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Searching in Knovel

Use the search bar to begin your journey into Knovel. Search examples are listed below.

1. **Search:** Enter your search query using keywords, phrases or syntax like Boolean operators, "title:" or "author"

2. **Keyword Suggestions:** Select from auto-suggest terms based on engineering concepts

3. **Resources:** Suggested resources that may match your search query

Search examples

- To search for a phrase or exact match, use quotation marks (e.g. "tool steels")

- Knovel supports the Boolean operators "AND', 'OR' and 'NOT'. When using multiple Boolean operators, they are processed left to right. To change the order in which terms are processed, enclose the term(s) in parentheses. Operations in parentheses are evaluated first.

- To search by author or title, use 'author: xxxx' or 'title: xxxx' (e.g. 'title: mining') You may also use the "Advanced Search" feature to build complex search queries

- Search by CAS Registry No. (71-43-2), Molecular Formulas (c6h6) or UNS numbers (R56400)

What might you find with a Knovel search?

Handbooks	Databases
Manuals	Equations
Textbooks	Interactive Graphs
Databooks	Interactive Tables
Primers	Excel Worksheets
Encyclopedia	Mathcad Worksheets
Dictionaries	Definitions
Regulatory Information	Conference Proceedings

For detailed tutorials on how to use interactive content, visit:

https://service.elsevier.com/app/answers/detail/a_id/13522/supporthub/knovel/p/10938/

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Property Search in Knovel

Instantly access thousands of materials and millions of properties while easily narrowing down your search to relevant data.

1. **Material or Substance Name:** Enter a specific material or substance name or select from auto-suggest terms

2. **Share URL:** Share this search query via an email

3. **Save to My Knovel:** Save this search query to My Knovel

4. **Filter by Property Name:** Start typing a property name e.g. density; or browse the property tree and select a property by dragging and dropping onto the query builder or double-clicking it

5. **Drag & Drop** desired property onto the query builder

6. **Results:** As you build your query, the number of results is dynamically updated. Click to view results

Material or Substance Name can be:

- **Name:** titanium, carbon, sulfuric acid, etc
- **CAS Registry No:** 71-43-2, 7440-38-3
- **Molecular Formula:** c6h6, h2s04, etc
- **UNS number:** R56400, H40270
- **ASTM Spec.:** SA-182, SA-387, etc

Properties:

- You can combine up to three properties in the query builder and 'AND', 'OR' and 'NOT' operators
- Knovel supports the following numeric operators: exists, =, <=, >= and is between, enabling you to enter numerical values or numeric ranges
- For relevant properties, you can select units of measurement using the drop down menu; e.g., temperature units (F, C, K, etc.)

How is Knovel Used?

An engineer used Knovel to compare properties of stainless steel alloys to increase the life cycle of a heavy milling machine.

Result: 18% cost reduction and 15% life cycle increase

An engineer used Knovel's graph digitizer to understand the corrosive properties of metals with respect to pH and water solution speed in a refinery boiler.

Result: Reduced EHS risk and $90k in cost savings

A research team at an academic institution used Knovel to discover background knowledge on wearable technology & fabrics plus reliable data on density polymer properties to integrate into 4 research papers.

Result: $600k in research funding

My Knovel

Register with Knovel to gain access to special capabilities, such as saving, organizing, note-taking, sharing, printing and downloading.

1. **My Saved Items:** Manage your saved interactive tables, search queries, titles, annotated section, etc

2. **My Activity:** Access your recent searches, viewed content and other activities arranged in chronological order

3. **My Profile:** Change your personal details and password, as well as retrieve a mobile authentication code for the My Knovel ToGo app and license codes for Knovel plug-ins

Knovel

Knovel is an engineering decision-support solution enabling engineers to solve problems faster. With powerful search and interactive analytical tools, engineers can confidently find answers to technical questions through best practice insights, validated equations and materials and substances data from more than 140 providers. For more than 15 years, Knovel has helped thousands of engineers and researchers from leading companies and institutions around the world enhance research and productivity, achieve operational excellence, reduce costs and time to market and build expertise.

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To learn more about how to use Knovel, visit app.knovel.com and click **Support Center** in the top right corner.

For more information about Knovel,
visit elsevier.com/knovel