NSF Bridge to Doctorate Database Scavenger Hunt Answers

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| **Question** | **Answer** |
| What subject matter does Derwent Innovations Index cover? | patents with links to cited and citing patents, cited articles, and full-text patent data sources. This resource gives users a comprehensive and international overview of inventions in three categories: chemical, electrical and electronic, and engineering. |
| Find an article on the effect of low temperatures on fruit fly eggs in the Biological Sciences database |  |
| What subject matter does Compendex cover? | nuclear technology, bioengineering, transportation, chemical and process engineering, light and optical technology, agricultural engineering and food technology, computers and data processing, applied physics, electronics and communications, control, civil, mechanical, materials, petroleum, aerospace and automotive engineering. |
| Find an article on knot theory in MathSciNet |  |
| What subject matter does Web of Science cover? | Multidisciplinary - sciences, social sciences, and arts and humanities |
| Find a patent on water contamination devices in Derwent Innovations Index | Double check the patent comes from Derwent, not Web of Science core collection, and is indeed a patent |
| What subject matter does Inspec cover? | physical sciences, electrical engineering & computer science. |
| Find a full-text PDF article on rock climbing effect on mountain vegetation in Environment Complete |  |
| What subject matter does PubMed cover? | Biomedical literature and life sciences |
| Name three standards-issuing organizations for which the Libraries provides online access | ASABE, ASME, UL, ASTM, CFR,  USGPO, IEEE , Military Standards and Specifications - MIL-STDS or MIL-SPECS, NISO |
| What subject matter does Biosis cover? | traditional areas of biology such as botany, zoology, and microbiology, as well as related fields such as biomedical, agriculture, pharmacology, and ecology. Also included are interdisciplinary fields such as medicine, biochemistry, biophysics, bioengineering, and biotechnology. |
| Find the most highly cited article on distributed energy storage devices in Web of Science | “Three-dimensional bicontinuous ultrafast-charge and -discharge bulk battery electrodes” by Zhang, Huigang; Yu, Xindi; Braun, Paul V. |
| What subject matter does SciFinder cover? | chemistry-related literature, patents, and substance and reaction data |
| Find a clinical trial on single nucleic acid molecule analysis in PubMed |  |
| What subject matter does MathSciNet cover and where did you find that information? | mathematical sciences literature - they have to go into the database and click “About” in the upper right hand corner |
| Find a conference proceeding on artificial intelligence in Inspec | Double check it is coming from Inspec rather than Compendex, PaperChem, or Knovel |