

Chapter 21 An Emerging World

Power Test Page For The

Most nuclear power plants use thermal reactors with enriched uranium in a once-through fuel cycle. Fuel is removed when the percentage of neutron absorbing atoms becomes so large that a chain reaction can no longer be sustained...

The first nuclear power plant was built in the 1950s. The global installed nuclear capacity grew to 100 GW in the late 1970s, and then expanded during the 1980s, reaching... The test was introduced by Turing in his 1950... Page was chief executive officer of Google from 1997 until August 2001 when he stepped down in favor of Eric Schmidt, and then again from April 2011 until July 2015 when he became CEO of its newly formed parent organization Alphabet Inc. He held that post until December 4, 2019, when he and Brin stepped down from all executive positions and day-to-day roles within the company. He remains an Alphabet board member, employee, and controlling shareholder.

Great power “the test of a great power is the test of strength for war”. International relations theorists have posited that great power status can be characterized into power capabilities, spatial aspects, and status dimensions. Great powers characteristically possess military and economic strength, as well as diplomatic and soft power influence, which may cause middle or small powers to consider the great powers' opinions before taking actions of their own. Later writers have expanded this test, attempting to define power in terms of overall military A great power is a sovereign state that is recognized as having the ability and expertise to exert its influence on a global scale

Bechdel test The test asks whether a work features at least two women who have a conversation about something other than a man. The Bechdel test (BEK-dəl), also known as the Bechdel-Wallace test, is a measure of the representation of women in film and other fiction. The Bechdel test (/ˈbɛkdəl/ BEK-dəl), also known as the Bechdel-Wallace test, is a measure of the representation of women in film and other fiction. Some versions of the test also require that those two women have names

Nuclear power Reactors producing controlled fusion power have been operated since 1958 but have yet to generate net power and are not expected to be commercially available in the near future. Nuclear decay processes are used in

niche applications such as radioisotope thermoelectric generators in some space probes such as Voyager 2. Nuclear power can be obtained from nuclear fission, nuclear decay and nuclear fusion reactions. June 27, 1954, the Obninsk Nuclear Power Plant in the USSR became the world's first nuclear power plant to generate electricity for a power grid, producing Nuclear power is the use of nuclear reactions to produce electricity. Presently, the vast majority of electricity from nuclear power is produced by nuclear fission of uranium and plutonium in nuclear power plants

Larry Page Lawrence Edward Page (born March 26, 1973) is an American businessman, computer engineer and computer scientist best known for co-founding Google with Lawrence Edward Page (born March 26, 1973) is an American businessman, computer engineer and computer scientist best known for co-founding Google with Sergey Brin

A work of fiction passing or failing the test does not necessarily indicate the overall representation of women in the work. Instead, the test is used as an indicator of the active presence (or lack thereof) of women in fiction, and to call attention to gender inequality in fiction.

Idaho National Laboratory Much of the current knowledge of nuclear reactor behavior was discovered at what is now Idaho National Laboratory. The present facility resulted from the 2005 merger of two neighboring laboratories, the National Engineering and Environmental Laboratory, and the Idaho site of the western branch of Argonne National Laboratory (Argonne-West). called "the Site", including the ones that gave the world its first usable amount of electricity from nuclear power and the power plant for the world's first Idaho National Laboratory (INL) is one of the national laboratories of the United States Department of Energy and is managed by the Battelle Memorial Institute. Historically, the lab has been involved with nuclear research, although the laboratory does other research as well. John Grossenbacher, a former INL director, said, "The history of nuclear energy for peaceful application has principally been written in Idaho"

The test is named after the American cartoonist Alison Bechdel, in whose 1985 comic strip Dykes to Watch Out For the test first appeared. Bechdel credited the idea to her friend Liz Wallace...

Turing test The Turing test, originally called the imitation game by Alan Turing in 1949, is a test of a machine's ability to exhibit intelligent behaviour equivalent The Turing test, originally called the imitation game by Alan Turing in 1949, is a test of a machine's ability to exhibit intelligent behaviour equivalent to

that of a human. The evaluator tries to identify the machine, and the machine passes if the evaluator cannot reliably tell them apart. Since the Turing test is a test of indistinguishability in performance capacity, the verbal version generalizes naturally to all of human performance capacity, verbal as well as nonverbal (robotic). The results would not depend on the machine's ability to answer questions correctly, only on how closely its answers resembled those of a human. In the test, a human evaluator judges a text transcript of a natural-language conversation between a human and a machine

Various organizations have built more...

Emerging market This includes markets that may become developed markets in the future or were in the past. An emerging market (or an emerging country or an emerging economy) is a market that has some characteristics of a developed market, but does not fully meet its standards. The term "frontier market" is used for developing countries with smaller, riskier, or more illiquid capital markets than "emerging". Emerging market hedge fund capital reached a record new level in the first quarter of 2011 of \$121 billion. According to The Economist, many people find the term outdated, but no new term has gained traction. As of 2025, the economies of China and India are considered to be the largest emerging markets. Emerging market economies' share of global PPP-adjusted GDP has risen from 27 percent in 1960 to around

This ability is a crucial element of a state's power in international relations. Any state able to direct its military forces outside its territory might be said to have some level of power projection capability, but the term itself is used most frequently in reference to militaries with a worldwide reach (or at least significantly broader than a state's immediate area). Even states with sizable hard power assets (such as a... The process typically identifies the target systems and a particular goal, then reviews available information and undertakes various means to attain that goal. A penetration test target may be a white box (about which background and system information are provided in advance to the tester) or a black box (about which only basic information... Page has an estimated net worth of \$159 billion as of June 2025, according to the Bloomberg Billionaires Index, and \$148 billion according to Forbes, making him the seventh-richest...

Power projection outside its territory. The ability of a state to project its power into an area may serve as an effective diplomatic lever, influencing the decision-making processes Power projection (or force projection or strength projection) in

international relations is the capacity of a state to deploy and sustain forces outside its territory. The ability of a state to project its power into an area may serve as an effective diplomatic lever, influencing the decision-making processes and acting as a potential deterrent on other states' behavior 6c0acb1ee5

Nuclear power plant On 27 June 1954, the world's first nuclear power station to generate electricity for a power grid, the Obninsk Nuclear A nuclear power plant (NPP), also known as a nuclear power station (NPS), nuclear generating station (NGS) or atomic power station (APS) is a thermal power station in which the heat source is a nuclear reactor. As is typical of thermal power stations, heat is used to generate steam that drives a steam turbine connected to a generator that produces electricity. As of September 2023, the International Atomic Energy Agency reported that there were 410 nuclear power reactors in operation in 32 countries around the world, and 57 nuclear power reactors under construction. Reactor I, powering four light bulbs 6c0acb1ee5

Penetration test penetration test, colloquially known as a pentest, is an authorized simulated cyberattack on a computer system, performed to evaluate the security of the system; A penetration test, colloquially known as a pentest, is an authorized simulated cyberattack on a computer system, performed to evaluate the security of the system; this is not to be confused with a vulnerability assessment. The test is performed to identify weaknesses (or vulnerabilities), including the potential for unauthorized parties to gain access to the system's features and data, as well as strengths, enabling a full risk assessment to be completed 6c0acb1ee5

While some nations are widely considered to be great powers, there is considerable debate on the exact criteria of great power status. Historically, the status of great powers has been formally recognized in organizations such as the Congress of Vienna of 1814–1815 or the United... 6c0acb1ee5

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