

# 5000 awesome facts about everything 2

## national geographic kids

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Discover the World with 5000 Random Facts and National Geographic\*\*

#### **5000 Random Facts**

"5000 Random Facts" is an encyclopedia-like resource brimming with a vast collection of intriguing and unconventional facts that cover a wide range of topics, including science, history, geography, entertainment, and more.

#### **Fun Facts about National Geographic**

- National Geographic was founded in 1888 by a group of explorers, scientists, and educators.
- The organization has a team of over 4,000 photographers, writers, and researchers.
- National Geographic has produced over 1,200 feature films and documentaries.

#### **National Geographic Kids**

National Geographic Kids is a renowned publisher of children's books and magazines that aim to captivate young minds with engaging and educational content about the natural world.

#### **Surprising Fact**

Did you know that the average human spends approximately 2 hours per day using social media?

## **Book Full of Facts**

A book dedicated to compiling an extensive collection of facts is commonly referred to as a "fact book" or "almanac."

### **10 Amazing Facts**

1. The Sun is 4,600 times larger than Earth.
2. A chameleon can change its skin color over 1,500 times per day.
3. The world's population is approximately 7.8 billion people.
4. The Statue of Liberty was a gift from France to the United States in 1886.
5. The human brain weighs about 3 pounds.
6. The Earth is approximately 4.54 billion years old.
7. The temperature of the sun's core is about 15 million degrees Celsius.
8. The average person breathes about 23,000 times per day.
9. The human body contains about 60% water.
10. The Great Wall of China is about 13,000 miles long.

### **100 Facts**

A collection of 100 facts typically includes a diverse range of topics, such as:

- Geographic oddities
- Historical events
- Scientific discoveries
- Cultural curiosities
- Human achievements

### **20 Fun Facts**

Here are some lighthearted facts to brighten your day:

1. The Mona Lisa has no eyebrows.
2. The inventor of the telephone, Alexander Graham Bell, was deaf.
3. The Titanic's sinking could have been prevented by a 30-minute delay.
4. The world's smallest country is Vatican City, which covers only 110 acres.

5. The world's largest mammal is the blue whale, which can grow up to 100 feet long.

### **Is National Geographic for Kids Good for a 12 Year Old?**

Yes, National Geographic Kids materials are generally appropriate and engaging for 12-year-old children. Their content is well-researched, visually stunning, and designed to foster curiosity and a love for learning.

### **Is National Geographic Owned by Disney?**

No, National Geographic is not owned by Disney. It is a privately held company owned by the National Geographic Society, a non-profit educational organization.

### **How Old are National Geographic Kids?**

The National Geographic Kids brand was launched in 1995, making it over 25 years old.

### **5 Cool Random Facts**

- The world's most popular password is "123456."
- The largest snowflake ever recorded was 15 inches wide and 8 inches thick.
- The human tongue has over 10,000 taste buds.
- The average person walks about 16,000 steps per day.
- A cockroach can live for up to 30 days without food.

### **Two Unbelievable Facts**

- The human body is capable of producing enough saliva to fill a swimming pool over the course of a lifetime.
- The Earth's gravity is so strong that it prevents the moon from flying away into space.

### **Fun but Weird Fact**

When you sneeze, your blink reflex is temporarily disabled.

## **Last Page of a Book**

The last page of a book is called the "colophon." It typically contains information about the copyright, publisher, and publication date.

## **Last Blank Page of a Book**

The last blank page of a book, which is often left intentionally blank for notes or annotations, is called the "endpaper."

## **Book Full of Words**

A book that contains a comprehensive list of words, often accompanied by their definitions, is called a "dictionary."

## **Book Titles**

- "A Thousand Tomorrows": A novel by Barbara Delinsky about a group of people who survive a plane crash and must rebuild their lives.
- "Everyday Millionaires": A financial guide by Chris Hogan that provides strategies for becoming a millionaire.
- "Millions": A novel by Frank Cottrell Boyce about a family who wins a lottery jackpot and must learn to deal with the sudden influx of wealth.
- "The Little Book of Shocking Global Facts": A collection of surprising and thought-provoking facts about the world today.

**What is the latest edition of API Standard 650?** Overview of API 650 - Welded Tanks for Oil Storage This standard was originally published in 1973, with the most recent 13th Edition being released in March of 2020.

**What is the difference between API 650 and 12F?** API 650 is suitable for larger tanks with diverse applications, while API 12F is more focused on smaller tanks with shop fabrication advantages. The decision should be made based on the project's size, regulatory requirements, and other relevant factors.

**What is the difference between API 650 and API 653?** The main difference between API 650 and API 653 lies in their focus and purpose: API 650 is for

constructing a new above ground liquid storage tank while API 653 is for the maintenance of an API 650 to determine whether the tank fit for continued service.

**What is the difference between AWWA D100 and API 650?** AWWA D100 has a more conservative design than API 650 regarding the minimum shell thickness requirement. The Storage tanks are a very familiar part of the industrial system besides pipeline or piping.

**What does API 650 stand for?** The API 650 is the American standard for welded flat-bottomed vertical storage tanks. The American Petroleum Institute dictates the standard for the tank design, manufacture, fabrication, welding, inspection and installation requirements.

**What are the requirements for API 650?** API 650 requires an impact test on materials' weld metal, HAZ, and base metal with an MDMT lower than the minimum expected operating temperature. The test aims to assess the material's toughness and ability to resist fracture when exposed to low-temperature conditions.

**What is the maximum pressure for API 650?** Pressure Levels: API 650 tanks are designed for tanks with internal pressures not exceeding 2.5 psi (17 kPa), while API 620 tanks can handle higher pressures up to 15 psi (103 kPa).

**What is the minimum thickness for API 650 tank?** API 650 Configuration The minimum materials thickness is 3/16", which is the same as the API 620. API 650 tanks are constructed from carbon steel, austenitic duplex stainless steel, or aluminum. There is a required inspection for all API 650 tanks, and the tanks can be either shop or field erected.

**What is the European equivalent of API 650?** We also produce tanks according to NEN-EN 14015, the European equivalent of API 650.

**How often is an API 653 inspection required?** External API 653 Inspection Frequency The inspections must be conducted at a minimum every five years by a licensed API 653 inspector.

**What is the vacuum limit for API 650?** API 650 Tank Application These tanks are normally rated at about 2.5 psig or less. The MAWV (The maximum allowable working vacuum) is normally something less than 2.5 inwc.

**What is the height limit for API 650 tanks?** There is no specific guideline specifying the maximum height to diameter ratio, not even in API 650. But in normal practice the maximum height of storage tanks is set to 20 meter, so based on the volume of liquid the diameter can be calculated.

**What is the difference between API 12F and API 650?** It's important to note that while API 12F tanks are commonly used, other API standards also exist for aboveground storage tanks, such as API 650 for larger tanks and API 620 for tanks with higher pressure requirements.

**What is the difference between API 650 and ul142?** API 650 Storage Tanks – for low pressure storage vessels with frangible roof joints. UL 142 Storage Tanks – for above-ground, flammable liquid storage vessels.

**What is the difference between tanker and ISO tank?** While tank containers are known for transporting liquid products, ISO tank containers are built based on ISO standards (International Organization for Standardization) and are designed to carry liquids in bulk, both hazardous and non-hazardous.

**What is the most recent edition of API 650?** API Standard 650, 13th Ed.

**What does API 650 cover?** The standard API 650 covers the design and calculation of the different elements of the tank. The code is based on the knowledge and experiences of buyers, manufacturers and users of welded storage tanks of various sizes and capacities.

**What is the temperature limit for API 650?** API 650 provides the following benefits In addition to being able to store contents at a lower pressure (2 1/2 PSI), it can also store them at a higher temperature (-40 degrees F to 500 degrees F) than what is allowed by API 620. There is no limit to the size of the tank.

**What is the minimum roof thickness for API 650?** The minimum roof sheet thickness required by API 650 is 3/16 in. (5 mm). Roof slopes are left up to the designer but API 650 suggest 1:16 as a standard slope.

**What is the importance factor of API 650?** In API 650 and FEMA 368 the value of importance factor is taken as 1.25. API 650 prescribes seismic forces at working

stress level, and they are to be multiplied by a factor of 1.4, to bring them strength design level.

**What is the factor of safety in API 650?** For example, API 650 3.6. 2.1 prescribes a safety factor of 2.5 for shell rupture due to pressure from a full tank of stored liquid, while the API 650 3.11. 2 safety factor for wind overturning an empty tank is 1.5. Safety factors can be used to address tank wind overturning stability.

**What is the current API standard?** API Introduces Three New Gasoline Engine Oil Standards, ILSAC GF-6A, GF-6B, and API SP. API's Lubricants Standards Group approved by letter ballot the adoption of two new ILSAC specifications, GF-6A and GF-6B, and a new API Service Category, API SP.

**Which is the latest edition of API textbook of medicine?**

**What is the newest API?** As of 2020 API SP is the latest specification. It supersedes API SN. SP specifies more stringent engine oil performance requirements for spark-ignited internal combustion engines. These include a chain wear test and a test for very low-viscosity engine oils.

**What is the difference between API 650 and API 620?** API 650 tanks are designed for tanks with internal pressures not exceeding 2.5 psi (17 kPa), while API 620 tanks can handle higher pressures up to 15 psi (103 kPa). This difference allows API 620 tanks to store liquids that require slightly higher-pressure containment.

## **Shadow Warrior: The Complete Survival Guide**

**What is Shadow Warrior: The Complete Survival Guide?**

Shadow Warrior: The Complete Survival Guide is a comprehensive strategy guide for the 2013 first-person shooter video game Shadow Warrior. It provides detailed walkthroughs, tips, and tricks for navigating the game's challenging levels, completing side quests, and mastering the game's combat system.

**What are the key features of Shadow Warrior: The Complete Survival Guide?**

- Comprehensive walkthroughs for all 12 levels of the game, including boss fights and hidden secrets

- In-depth character customization options, including weapons, abilities, and perks
- Detailed guides to the game's enemies, including strengths, weaknesses, and attack patterns
- Tips for navigating the game's challenging platforming sections and solving puzzles
- Strategies for farming experience and loot to quickly progress through the game

### **What are the questions that this guide answers?**

Shadow Warrior: The Complete Survival Guide provides answers to a wide range of questions that players may have about the game, such as:

- How to defeat specific bosses and enemies
- How to find and activate hidden secrets and side quests
- How to optimize character builds for maximum effectiveness
- How to complete challenging platforming sections and puzzles
- How to farm experience and loot efficiently

### **Who should use this guide?**

Shadow Warrior: The Complete Survival Guide is a valuable resource for both experienced and novice players of Shadow Warrior. Whether you are looking to complete the game with ease or simply want to improve your skills, this guide provides the information and strategies you need to succeed.

### **Where can I get Shadow Warrior: The Complete Survival Guide?**

The Shadow Warrior: The Complete Survival Guide is available as a digital download from Amazon, GameStop, Steam, and other major retailers.

**What is the formula for magnesium oxide solution?** The chemical and molecular formula of magnesium oxide is MgO.



**What is the empirical formula for  $\text{Mg}_2\text{O}$ ?** The results of the experiment show that the empirical formula of magnesium oxide is  $\text{Mg}_2\text{O}$ , but the theoretical empirical formula is  $\text{MgO}$ .

**How do you find the empirical formula of a magnesium compound?** By reacting Mg with pure O, (or air, and then using water and heat to remove any magnesium nitride formed upon exposure to the air), and then calculating the ratio between the moles of Mg and O, it is possible to determine experimentally the empirical formula of  $\text{MgO}$ .

**Is  $\text{MgO}$  molecular or empirical?** The empirical formula of magnesium oxide is  $\text{MgO}$ .

**How to find empirical formulas?**

**What is the empirical formula for  $\text{Mg}^{2+} \text{O}^{2-}$ ?** Consider, for example, the compound formed by  $\text{Mg}^{2+}$  and  $\text{O}^{2-}$ . Using the absolute values of the charges on the ions as subscripts gives the formula  $\text{Mg}_2\text{O}_2$ : This simplifies to its correct empirical formula  $\text{MgO}$ .

**What is the empirical formula of magnesium oxide report?** Based on the data collected, the empirical formula was determined to be  $\text{MgO}$ , with a ratio of 1 magnesium atom to 1 oxygen atom.

**How to work out the empirical formula of an oxide?**

**What is the empirical formula for magnesium oxalate?**

**How do you write the empirical formula of a substance?**

**What is the balanced equation of magnesium oxide?** The balanced equation of  $\text{Mg (s)} + \text{O}_2 \text{ (g)} \rightarrow \text{MgO (s)}$  is  $2\text{Mg (s)} + \text{O}_2 \text{ (g)} \rightarrow 2\text{MgO (s)}$ . When balancing chemical equations, we aim for an equal number of each type of atom on both sides.

**What is the empirical formula for magnesium carbonate?** Magnesium Carbonate |  $\text{MgCO}_3$  | CID 11029 - PubChem.

**What is the formula for magnesium oxide?** Magnesium oxide has the chemical formula  $\text{MgO}$ .

**Is magnesium oxide  $\text{MgO}$  a compound?** Magnesium oxide is an inorganic compound that occurs in nature as the mineral periclase. In aqueous media combines quickly with water to form magnesium hydroxide.

**What is another name for magnesium oxide?** hydroxide produces the oxygen compound magnesium oxide, commonly called magnesia,  $\text{MgO}$ . It is a white solid used in the manufacture of high-temperature refractory bricks, electrical and thermal insulators, cements, fertilizer, rubber, and plastics.

**What do you mean by empirical formula?** It is also known as the simplest formula. An empirical formula for a compound is the formula of a substance written with the smallest integer subscript. The empirical formula gives information about the ratio of numbers of atoms in the compound.

**Which is an example of an empirical formula \*?**  $\text{C}_3\text{H}_8$  is an example of an empirical formula. It represents the relative number of atoms in the simplest ratio. Others are examples of molecular formula. They represent the actual number of constituent atoms in a molecule.

**What is the difference between the empirical formula and the molecular formula with example?** The empirical formula shows the simplest whole number ratio of the number of atoms of different elements present in a compound. However, the molecular formula shows the total number of atoms of each element in a compound. For example, the alkane butane has a molecular formula of  $\text{C}_4\text{H}_{10}$ .

**What is the empirical formula for  $\text{MgO}$ ?** Empirical formula is  $\text{MgO}$ .

**What is the symbol for magnesium oxide?**

**Why is magnesium oxide  $\text{MgO}$  not  $\text{MgO}_2$ ?** Answer: According to law of conservation of mass,  $\text{MgO}_2$  will not be formed because in that case the mass of reactants will not be equal to the mass of products, and moreover the reaction would not be balanced. This is a balanced equation.

## How to calculate empirical formula?

**How to find theoretical empirical formulas?** Convert the mass of each element to moles using the molar mass from the periodic table. Divide each mole value by the smallest number of moles calculated. Round to the nearest whole number. This is the mole ratio of the elements and is represented by subscripts in the empirical formula.

## What is the empirical formula for $\text{Mg}_2\text{P}_3$ ?

**How do you convert a chemical formula to an empirical formula?** To determine the empirical formula of a known substance, such as glucose, we take the subscripts of the molecular formula ( $\text{C}_6\text{H}_{12}\text{O}_6$ ) and reduce them to the simplest whole number ratios. If we divide this by 6, we get  $\text{C}_1\text{H}_2\text{O}_1$ . (We don't usually write the 1's, so this would be  $\text{CH}_2\text{O}$ .)

**What is the empirical formula for magnesium chloride?** Magnesium chloride ( $\text{MgCl}_2$ ) |  $\text{Cl}_2\text{Mg}$  | CID 24584 - PubChem.

**How to determine the empirical formula of tin oxide?** You simply take the larger number, divided by the smaller number. In this case, we find out there are two moles of O for every one mole of Sn. Therefore, the empirical formula is  $\text{SnO}_2$ , meaning that tin has a +4 charge. So the name would be tin (IV) oxide.

**What is the general formula of magnesium oxide?** Magnesium oxide has the chemical formula  $\text{MgO}$ . It exists as a white hygroscopic solid found in nature as 'periclase,' a magnesium mineral found in metamorphic rocks as the "oxide of Magnesium."

**How do you make magnesium oxide solution?** Magnesium oxide can be made by heating magnesium metal in the presence of oxygen. The balanced equation for the reaction is:  $2 \text{Mg(s)} + \text{O}_2(\text{g}) \rightarrow 2 \text{MgO(s)}$  When 10.1 g of Mg reacts with 10.5 g  $\text{O}_2$ , 11.9 g  $\text{MgO}$  is collected.

**Which is the best formula for magnesium oxide?** The empirical formula for magnesium oxide is  $\text{MgO}$ , and it contains around 60 percent elemental magnesium, which is the highest percentage amount all types of magnesium supplements.  $\text{MgO}$

also interacts with hydrochloric acid (HCL) to form magnesium chloride salt and water.

**Is there a liquid form of magnesium oxide?** Most types of magnesium oxide or magnesium hydroxide supplements come in liquid form. Sold under a variety of brand names, this milky white liquid is often used in the treatment of digestive complaints.

**What is the balanced equation of magnesium oxide?** The balanced equation of  $\text{Mg (s)} + \text{O}_2 \text{ (g)} \rightarrow \text{MgO (s)}$  is  $2\text{Mg (s)} + \text{O}_2 \text{ (g)} \rightarrow 2\text{MgO (s)}$ . When balancing chemical equations, we aim for an equal number of each type of atom on both sides.

**Why is magnesium oxide formula MgO?** The magnitude of magnesium and oxide ion is equal but the charges are opposite. Thus, the charges will get cancel. So, the chemical formula of magnesium oxide is MgO.

**Why is MgO<sub>2</sub> the incorrect formula for magnesium oxide?** 1 Answer. When writing the formula for an ionic compound, such as MgO , you reduce the subscripts to the lowest whole number ratio. So, you reduce Mg<sub>2</sub> O<sub>2</sub> , to MgO . Both formulas indicate a 1:1 ratio of Mg to O in the compound.

**How to determine the empirical formula of magnesium oxide?**

**What solution is magnesium oxide?** Magnesium oxide is an inorganic compound that occurs in nature as the mineral periclase. In aqueous media combines quickly with water to form magnesium hydroxide. It is used as an antacid and mild laxative and has many nonmedicinal uses.

**Why avoid magnesium oxide?** High doses of magnesium oxide may cause dangerously high blood magnesium levels, which is more likely in specific populations. It may also cause side effects like bloating and diarrhea and reduce the effectiveness of certain medications.

**How do you make MgO formula?**

**What is another name for magnesium oxide?** hydroxide produces the oxygen compound magnesium oxide, commonly called magnesia, MgO. It is a white solid used in the manufacture of high-temperature refractory bricks, electrical and thermal

insulators, cements, fertilizer, rubber, and plastics.

**What is the formula ratio for magnesium oxide?** Magnesium and oxygen combine in the ratio of 3:2 by mass to form magnesium oxide.

**What happens when you mix magnesium oxide with water?** When magnesium oxide is dissolved in water, magnesium hydroxide is formed.

**Which magnesium is best for sleep and anxiety?** 2 Easy for the body to absorb, magnesium glycinate is known for its calming properties and may promote relaxation and sleep. Research shows that magnesium glycinate may help relax the mind and body, potentially reducing stress and anxiety that can interfere with sleep.

**Why would a doctor prescribe magnesium oxide?** Magnesium oxide may be used for different reasons. Some people use it as an antacid to relieve heartburn, sour stomach, or acid indigestion. Magnesium oxide also may be used as a laxative for short-term, rapid emptying of the bowel (before surgery, for example).

[api 650 std 7th edition, shadow warrior the complete survival, empirical formula of magnesium oxide report solution](#)

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