

| Measurement          | Conversion/Info |
|----------------------|-----------------|
| 1 horsepower         | 745.7 watts     |
| 1 watt               | 1 joule/second  |
| 1 kilowatt           | 1000 watts      |
| 1 megawatt           | 1 million watts |
| 1 gigawatt           | 1 billion watts |
| 1 foot-pound/second  | 1.35582 watts   |
| 1 BTU/hour           | 0.293071 watts  |
| 1 calorie/second     | 4.184 watts     |
| 1 erg/second         | 1e-7 watts      |
| 1 kilowatt-hour/year | 1 watt          |

Business Law

| Term                  | Definition  |
|-----------------------|---|
| Sole Proprietorship   | Business owned by one person  |
| Partnership           | Business owned by two or more persons                                     |
| Corporation           | Legal entity separate from its owners                                     |
| Limited Liability     | Owners are not personally liable for business debts                       |
| Bankruptcy            | Legal process for debt relief   |
| Intellectual Property | Creations of the mind, such as inventions, literary works, and trademarks |
| Employment Contract   | Agreement between employer and employee                                   |
| Antitrust Law         | Laws to prevent monopolies and promote competition                        |
| Merger                | Combining two companies into one  |
| Securities            | Financial instruments, like stocks and bonds                              |

Cooking

| Measurement       | Conversion/Info     |
|-------------------|---------------------|
| 1 cup (US)        | 240 milliliters     |
| 1 tablespoon (US) | 14.7868 milliliters |
| 1 teaspoon (US)   | 4.92892 milliliters |
| 1 ounce (dry)     | 28.3495 grams       |
| 1 pint (US)       | 473.176 milliliters |
| 1 quart (US)      | 946.353 milliliters |
| 1 gallon (US)     | 3.78541 liters      |
| 1 liter           | 4.22675 cups        |
| 1 stick of butter | 113.4 grams         |
| 1 pound (butter)  | 453.592 grams       |

Contract Law

| Term             | Definition                             |
|------------------|--|
| Offer            | A proposal to enter into a contract    |
| Acceptance       | Agreement to the terms of an offer     |
| Consideration    | Something of value exchanged           |
| Capacity         | Legal ability to enter into a contract |
| Mutual Assent    | Agreement by both parties              |
| Breach           | Failure to perform under a contract    |
| Remedies         | Legal means to enforce a right         |
| Void Contract    | Unenforceable by law                   |
| Express Contract | Terms are explicitly stated            |
| Implied Contract | Terms are inferred by actions          |

Tort Law

| Term                | Definition                                 |
|---------------------|--|
| Negligence          | Failure to exercise reasonable care        |
| Duty of Care        | Legal obligation to avoid causing harm     |
| Breach of Duty      | Failure to meet the standard of care       |
| Causation           | The link between the breach and the injury |
| Damages             | Compensation for harm suffered             |
| Strict Liability    | Liability without fault                    |
| Intentional Tort    | Deliberate act causing harm                |
| Defamation          | False statement harming reputation         |
| Nuisance            | Interference with enjoyment of property    |
| Vicarious Liability | Liability for another's actions            |

Semantics

| Term        | Explanation   |
|-------------|---|
| Denotation  | Literal meaning of a word   |
| Connotation | Emotional or cultural meaning of a word   |
| Polysemy    | One word with multiple related meanings (e.g., "bank")                                  |
| Homonymy    | Same form, different meaning (e.g., "bat" - animal vs. "bat" - sports)                  |
| Synonym     | Words with similar meanings (e.g., "big" and "large")                                   |
| Antonym     | Words with opposite meanings (e.g., "hot" and "cold")                                   |
| Hyponym     | More specific term within a category (e.g., "rose" as a hyponym of "flower")            |
| Hypernym    | General category term (e.g., "animal" as a hypernym of "dog")                           |
| Metaphor    | Word or phrase used in a non-literal sense (e.g., "time is a thief")                    |
| Idiom       | Expression with a meaning not deducible from individual words (e.g., "kick the bucket") |

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| Term               | Definition  |
|--------------------|---|
| Real Property      | Land and anything attached to it                  |
| Personal Property  | Movable property, not attached to land            |
| Easement           | Right to use another's land                       |
| Lease              | Contractual agreement for use of property         |
| Deed               | Legal document transferring ownership             |
| Mortgage           | Loan secured by property                          |
| Adverse Possession | Gaining ownership by continuous use               |
| Zoning             | Government regulation of land use                 |
| Eminent Domain     | Government taking private property for public use |
| Title              | Legal ownership of property                       |

Criminal Law

| Term                     | Definition   |
|--------------------------|--|
| Mens Rea                 | Criminal intent  |
| Actus Reus               | Criminal act   |
| Felony                   | Serious crime, punishable by more than a year in prison    |
| Misdemeanor              | Less serious crime, punishable by less than a year in jail |
| Burden of Proof          | Prosecution's obligation to prove guilt                    |
| Double Jeopardy          | Cannot be tried twice for the same offense                 |
| Plea Bargain             | Agreement to plead guilty in exchange for a lesser charge  |
| Self-Defense             | Justifiable use of force to protect oneself                |
| Statute of Limitations   | Time limit for prosecuting a crime                         |
| Presumption of Innocence | Innocent until proven guilty                               |

Constitutional Law

| Topic           | Info  |
|-----------------|---|
| 1st Amendment   | Freedom of speech, religion, press  |
| 2nd Amendment   | Right to bear arms  |
| 4th Amendment   | Protection against unreasonable search  |
| 5th Amendment   | Right against self-incrimination  |
| 6th Amendment   | Right to a speedy trial   |
| 8th Amendment   | No cruel or unusual punishment  |
| 14th Amendment  | Equal protection under the law  |
| Due Process     | Legal requirement that the state must respect all legal rights owed to a person |
| Habeas Corpus   | Right to be brought before a judge  |
| Judicial Review | Courts can review laws for constitutionality                                    |

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The Lord’s Prayer

| Line                             | Explanation                         |
|----------------------------------|-------------------------------------|
| Our Father in heaven             | Acknowledgment of God's sovereignty |
| Hallowed be Your name            | Reverence for God's holiness        |
| Your kingdom come                | Desire for God's rule on earth      |
| Your will be done                | Submission to God's plan            |
| Give us this day our daily bread | Request for provision               |
| Forgive us our debts             | Asking for forgiveness              |
| Lead us not into temptation      | Seeking guidance away from sin      |
| Deliver us from evil             | Protection from harm                |
| For Yours is the kingdom         | Affirmation of God's eternal reign  |
| Amen                             | So be it, in agreement              |

Mental Health Disorders

| Disorder  | Key Symptoms   |
|---|--|
| Depression                                      | Persistent sadness, loss of interest   |
| Anxiety Disorders                               | Excessive worry, fear, physical symptoms like heart palpitations   |
| Bipolar Disorder                                | Extreme mood swings between mania and depression   |
| Schizophrenia                                   | Delusions, hallucinations, disorganized thinking   |
| PTSD (Post-Traumatic Stress Disorder)           | Flashbacks, nightmares, severe anxiety after a traumatic event   |
| OCD (Obsessive-Compulsive Disorder)             | Recurrent, unwanted thoughts (obsessions) and/or repetitive behaviors (compulsions)                                    |
| ADHD (Attention-Deficit/Hyperactivity Disorder) | Inattention, hyperactivity, impulsivity  |
| Eating Disorders                                | Unhealthy eating behaviors (anorexia, bulimia, binge eating)   |
| Autism Spectrum Disorder                        | Challenges in social interaction and communication   |
| Personality Disorders                           | Enduring patterns of behavior and inner experience deviating from cultural expectations (e.g., Borderline, Antisocial) |

Currency

| Currency Pair | Approximate Exchange Rate |
|---------------|---------------------------|
| 1 USD         | 0.85 EUR                  |
| 1 EUR         | 1.17 USD                  |
| 1 GBP         | 1.39 USD                  |
| 1 USD         | 110.65 JPY                |
| 1 USD         | 6.48 CNY                  |
| 1 USD         | 1.27 CAD                  |

| Measurement             | Conversion/Info |
|-------------------------|-----------------|
| 1 atm                   | 101.325 kPa     |
| 1 atm                   | 14.696 psi      |
| 1 bar                   | 100 kPa         |
| 1 pascal                | 1 N/m²          |
| 1 psi                   | 6894.76 pascals |
| 1 mmHg                  | 133.322 pascals |
| 1 Torr                  | 1 mmHg          |
| 1 bar                   | 100,000 pascals |
| 1 inHg (inch of Hg)     | 3386.39 pascals |
| 1 ksi (kilopound/sq.in) | 6894.76 kPa     |

Energy

| Measurement         | Conversion/Info                 |
|---------------------|---------------------------------|
| 1 calorie           | 4.184 joules                    |
| 1 joule             | 0.239006 calories               |
| 1 kilowatt-hour     | 3.6 million joules              |
| 1 BTU               | 1055.06 joules                  |
| 1 erg               | 1e-7 joules                     |
| 1 electronvolt (eV) | 1.60218e-19 joules              |
| 1 therm (US)        | 105.5 megajoules                |
| 1 foot-pound force  | 1.35582 joules                  |
| 1 quad (US)         | 1.055 × 10 <sup>14</sup> joules |
| 1 ton of TNT        | 4.184 gigajoules                |

Angles

| Measurement   | Conversion/Info   |
|---------------|-------------------|
| 1 degree      | 0.0174533 radians |
| 1 radian      | 57.2958 degrees   |
| 1 circle      | 360 degrees       |
| 1 right angle | 90 degrees        |
| 1 gradian     | 0.9 degrees       |
| 1 mil         | 0.05625 degrees   |
| 1 turn        | 360 degrees       |
| 1 arcminute   | 1/60 degree       |
| 1 arcsecond   | 1/3600 degree     |
| 1 quadrant    | 90 degrees        |

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| 1 USD         | 6.48 CNY                  |
| 1 USD         | 1.27 CAD                  |
| 1 AUD         | 0.74 USD                  |
| 1 USD         | 74.57 INR                 |
| 1 USD         | 0.72 GBP                  |
| 1 EUR         | 0.86 GBP                  |

Dietary Requirements

| Diet Type   | Description                               | Allowed Foods               |
|-------------|---|-----------------------------|
| Vegan       | No animal products                        | Fruits, vegetables, grains  |
| Vegetarian  | No meat, may include eggs and dairy       | Fruits, vegetables, dairy   |
| Gluten-Free | No wheat, barley, or rye                  | Rice, quinoa, corn          |
| Paleo       | Whole foods, no processed foods or grains | Meat, fish, vegetables      |
| Keto        | High fat, low carb                        | Meat, cheese, avocados      |
| Dairy-Free  | No milk or milk products                  | Almond milk, coconut yogurt |
| Low-Carb    | Limited carbohydrates                     | Meat, vegetables, nuts      |
| Low-Sodium  | Limited salt intake                       | Fresh fruits, vegetables    |
| Diabetic    | Low sugar, balanced meals                 | Whole grains, lean protein  |
| Pescatarian | No meat except fish                       | Fish, vegetables, grains    |

Cybersecurity

| Term                      | Explanation   |
|---------------------------|---|
| Encryption                | Converts data into unreadable format                    |
| Decryption                | Converts encrypted data back to readable form           |
| Firewall                  | Monitors and controls incoming/outgoing network traffic |
| Virus                     | Malicious software that replicates itself               |
| Phishing                  | Fraudulent attempt to obtain sensitive information      |
| SSL/TLS                   | Protocols for secure communications                     |
| Authentication            | Verifying the identity of a user                        |
| Malware                   | Software designed to harm a computer                    |
| Zero-Day Exploit          | Exploit of a previously unknown vulnerability           |
| Two-Factor Authentication | Additional layer of security                            |

Power

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