

# STRUCTURE OF THE BRAIN

## WORKSHEET ANSWERS

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#### Structure of the Brain: Worksheet Answers

##### Paragraph 1

**Question 1:** What are the three main sections of the brain? **Answer:** Cerebrum, cerebellum, and brainstem

**Question 2:** Which part of the brain is responsible for higher cognitive functions such as reasoning and decision-making? **Answer:** Cerebrum

##### Paragraph 2

**Question 3:** What is the role of the cerebellum? **Answer:** Controls balance, coordination, and motor skills

**Question 4:** What is the brainstem's main function? **Answer:** Regulates vital functions such as breathing, heart rate, and sleeping

##### Paragraph 3

**Question 5:** Which part of the cerebrum is responsible for sensory perception? **Answer:** Thalamus

**Question 6:** What is the hippocampus involved in? **Answer:** Memory formation

##### Paragraph 4

**Question 7:** Which hemisphere of the brain is responsible for language processing?

**Answer:** Left hemisphere

**Question 8:** What is the corpus callosum? **Answer:** A bundle of nerve fibers that connects the two hemispheres of the brain

## **Paragraph 5**

**Question 9:** Which brain structure is involved in reward and pleasure? **Answer:** Nucleus accumbens

**Question 10:** What is the role of the amygdala? **Answer:** Processing emotions, particularly fear and anxiety

## **The World of Synnibarr: A Single-Book System for Immersive Tabletop Gaming**

In the realm of tabletop gaming, the world of Synnibarr stands out as a groundbreaking creation that offers a seamless and immersive experience through its unique single-book system. Here are some frequently asked questions about Synnibarr:

### **1. What is the Synnibarr Single-Book System?**

The Synnibarr single-book system is a comprehensive tabletop role-playing system contained within a single hardcover volume. This system provides everything you need to play, from character creation and combat rules to worldbuilding tools and GM guidance.

### **2. What Makes Synnibarr Unique?**

Synnibarr's single-book format eliminates the need for multiple rulebooks, making it easy to access information during gameplay. The system also features a streamlined character creation process and intuitive combat mechanics that make it accessible to players of all levels.

### **3. What is the Setting of Synnibarr?**

Synnibarr is set in a vibrant and diverse fantasy world that is both familiar and unexplored. Players can explore ancient ruins, encounter mythical creatures, and navigate the political intrigues that shape the world. The system provides a rich tapestry of lore and setting details to inspire your adventures.

#### **4. How Do I Create a Character in Synnibarr?**

Character creation in Synnibarr is a flexible and tailored process. Players choose from a variety of races, classes, and backgrounds to create characters that fit their playstyles and preferences. The system also allows for extensive customization, allowing players to create truly unique heroes.

#### **5. How Does Combat Work in Synnibarr?**

Combat in Synnibarr is fast-paced and engaging. The system utilizes a d20-based dice mechanic, providing a balance between randomization and player agency. Combat maneuvers are described narratively, allowing for dynamic and immersive battles.

### **Triode Push-Pull Circuit Datasheet Application Note: FAQs**

#### **Q1: What is a triode push-pull circuit?**

A: A triode push-pull circuit is an electronic amplifier circuit that uses two triodes (vacuum tubes) in a push-pull configuration to amplify an input signal. The two triodes amplify the positive and negative halves of the input signal, respectively, providing a more efficient and distortion-free amplification compared to single-ended circuits.

#### **Q2: What are the key benefits of using a triode push-pull circuit?**

A: Triode push-pull circuits offer several advantages, including:

- Higher output power and efficiency
- Reduced distortion
- Reduced even-order harmonics
- Improved cancellation of power supply ripple

**Q3: How do I design a triode push-pull circuit?**

A: Designing a triode push-pull circuit requires careful consideration of the following factors:

- Tube selection for appropriate voltage and current requirements
- Biasing for optimized tube operation
- Load impedance matching for efficient power transfer
- Feedback arrangement for reduced distortion and stability

**Q4: What are some common applications for triode push-pull circuits?**

A: Triode push-pull circuits are widely used in various audio and power applications, including:

- Hi-fi audio amplifiers
- Guitar amplifiers
- Industrial power amplifiers
- Power supplies

**Q5: Where can I find more information and resources on triode push-pull circuits?**

A: Numerous resources and datasheets are available online and from tube manufacturers that provide detailed information and design guidelines for triode push-pull circuits. Additionally, forums and online communities offer a wealth of knowledge and troubleshooting tips.

**What is the plumbing law in the Philippines?** Purpose: The Plumbing Law, also known as Republic Act No. 1378, was enacted in the Philippines on June 18, 1955, with the aim of regulating the trade of master plumbers in the country. The main objective of this law is to ensure the protection of public welfare, life, health, and property.

**What is the objective of National Plumbing Code of the Philippines?** The summarized principles of the National Plumbing Code are the following: All locations

that will be used by a human shall be provided with a supply of pure and clean water. All plumbing fixtures should be supplied in sufficient volume and pressure. The plumbing system should use the minimum quantity of water.

**What governs the practice of plumbing in the Philippines?** Almost seven (7) decades ago in 1955, Congress enacted Republic Act No. 1378, otherwise known as the Plumbing Law, which regulates the trade of master plumbers, in time when high school graduates with five (5) years plumbing experience dominate the trade.

**What is the National Structure Code of the Philippines?** The National Structural Code of the Philippines (NSCP) 2015 is a Structural design code that guides structural and civil engineers in designing and assessing buildings and other structures. The NSCP provides a standard set of criteria for structures' design, construction, and upkeep.

**Who can master plumber in the Philippines?** Be a citizen and resident of the Philippines; Be at least thirty years of age and of good moral character; and. Has been actively engaged in the trade of master plumber for at least five years.

**What is the water law in the Philippines?** The Philippine Clean Water Act of 2004 (Republic Act No. 9275) aims to protect the country's water bodies from pollution from land-based sources (industries and commercial establishments, agriculture and community/household activities).

**What is the slope for plumbing in the Philippines?** ALL HORIZONTAL PIPINGS SHALL BE RUN IN A PRACTICAL ALIGNMENT AND AT A UNIFORM SLOPE OR NOT MORE THAN 2% OR 20mm RISE PER METER RUN. 5. ALL PLUMBING FIXTURES SHALL BE NEW AND APPROVED TYPE, AS SPECIFIED IN PLANS. 6.

**What is the minimum size of a septic tank in the Philippines?** All septic tanks shall be of multi-compartment design with a minimum of two (2) compartments. The first of a (2) two-compartment tank shall contain two thirds ( $\frac{2}{3}$ ) the liquid capacity of the total volume of the tank. Tanks shall be of rectangular design. The minimum depth of the tank shall not be lower than 1.2 meter.

**What is the standard water pressure for residential in the Philippines?** Usually, 60 psi (pounds per square inch) is the standard water pressure for an average house

in the Philippines.

**Who is responsible for drainage system in the Philippines?** The National Waterworks and Sewerage Authority shall own and control all the water and sewer distributing systems of the City of Manila and the nearby municipalities comprising the Metropolitan Water District, as well as the water and sewer distributing systems of all other cities, municipalities and municipal ...

**What are the three types of plumbing?** The Different Types of Plumbing. There are three different types of plumbing systems; sanitary drainage, stormwater drainage and potable water. Each of these systems have their own unique functions and purposes.

**Who controls the water in the Philippines?** The Philippine Department of Environment and Natural Resources (DENR) is the lead ministry for implementing water sector legislation, whereas the Department of Finance takes the lead in financing water policies at the national level.

**What is the penalty for building without a permit in the Philippines?** "Any person, firm or corporation who shall violate any of the provisions of this code and/or commit any act hereby declared to be unlawful shall upon conviction, be punished by a fine of not more than P20,000 or by imprisonment of not more than two years or by both such fine and imprisonment: Provided, that in the case ...

**What is the 2 letter code for the Philippines?** The first part is PH, the ISO 3166-1 alpha-2 code of the Philippines.

**How many codes are there in the Philippines?** The international country code for the Philippines is 63. Area codes from 03X to 09X have been set at seven digits, with area codes fixed at one, two, or three digits. Telephone numbers for area code 02 are fixed at eight digits.

**How much is the minimum wage for a plumber in the Philippines?** The average monthly salary for Plumber jobs in the Philippines ranges from ₱14,000 to ₱19,000.

**What is the highest level of plumber?** Master plumber is the highest level you can achieve in the plumbing trade. To become a master plumber, you'll need to work 1-5 years as a journeyman plumber and take a more comprehensive exam that tests

your knowledge of specialized plumbing systems.

**What is the difference between sanitary engineer and master plumber in the Philippines?** Sanitary engineers have comprehensive background on public health and competence in designing the water supply and wastewater systems while master plumbers do not have any knowledge on Public Health and have just the skill to install the pipes.

**Who has ownership of all waters in the Philippines?** a) all waters belong to the State; b) all waters that belong to the State cannot be the subject of acquisitive prescription; c) the State may allow the use or development of waters by administrative concession; d) the utilization, exploitation, development, conservation and protection of water resources shall be ...

**What is RA 6725 in the Philippines?** Discrimination Prohibited. - It shall be unlawful for any employer to discriminate against any woman employee with respect to terms and conditions of employment solely on account of her sex.

**What is the penalty for illegal water connection in the Philippines?** PENALTIES/FINES: For offenders, Section 31 PD 198 has set of imprisonment of six (6) month to six (6) years or fine ranging from TWO THOUSAND PESOS (P2000. 00) to SIX THOUSAND PESOS (P6000. 00) or both, if convicted.

**What is the standard pipe size for water supply in the Philippines?** Normally, the public water systems are a tree-like pipe networks consisting of: Transmission lines (water mains, typically 36" in diameter or less) Distribution lines (lower diameter sizes: 6" - 12")

**How to calculate number of roof drains required in the Philippines?** Take the roof's total square footage and divide by the total square footage handled by one drain. The result is the number of drains needed.

**What size pipe is used in plumbing?** For most internal domestic plumbing, this will be 15mm or 22mm, while commercial pipe diameter tends to be 28mm. Soil pipes and underground drain pipes are often 110mm or 160mm, but there are larger options available for different environments.

**Where should a septic tank be located in the Philippines?** The septic tank shall be located not less than 25 meters from any well, spring, cistern, or other sources of drinking water supply; not less than 1.5 m. (5 ft.) from any water service line; and not less than 3.0 m. (10 ft.)

**How far should a well be from a septic tank?** The minimum distance required between septic tanks and well water is 50 feet. Local authorities may require larger distances than recommended by the EPA, due to local codes or soil conditions. In other cases, property restrictions or elevation changes may allow components to be closer together.

**What is the smallest septic tank allowed?** The smallest septic system you can buy is a 750-gallon tank, but that doesn't necessarily mean you can legally use this tank size. Check with your local health department in case the minimum tank size in your area is 1,000 gallons.

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**Is service water mandatory in the Philippines?** Service Water - all restaurants and similar food establishments in the Philippines are mandated to serve safe and clean water for free to their customers.

**What is the drainage system law in the Philippines?** Art. 44. Drainage systems shall be so constructed that their outlets are rivers, lakes, the sea, natural bodies of water, such other water course as any be approved by the proper government agency. Art.

**What is the anti open pipe law in the Philippines?** — No motor vehicles shall be allowed to be driven or operated without having been properly equipped, at all times, with either a muffler or any noise dissipative device in constant operation and of sufficient capacity to its motor engine to prevent the escape of excessive and disturbing noise.



**Is a water pump illegal in the Philippines?** As provided under Section 27 (0) of R.A. 9275, otherwise known as the “Philippine Clean Water Act of 2004” “Directly using booster pumps in the distribution system or tampering with the water supply in such a way as to alter or impair the water quality” is a prohibited act.

**What is the Water Crisis Act Philippines?** This Act states the need for the government to adopt urgent and effective measures to address the nationwide water crisis which adversely affects the health and well being of the population, food production and industrialization process.

**Can someone tamper with your water meter?** Meter Tampering is a Crime! The meter box, meter (KV) valve, and meter are Department of Water and Power (DWP) property. Except for DWP employees, no one is allowed to tamper with this equipment.

**What department is responsible for water in the Philippines?** The National Water Resources Board (NWRB) under the DENR is responsible for water resources management. The responsibilities are defined by the 1976 National Water Code and the 2004 Clean Water Act, which consolidated laws on water supply and sanitation and water resources management.

**How long can you service without water?** The general consensus is that people can survive for around three days without water, with estimates typically ranging from two days to a week. Wilderness guides often refer to the “rule of 3”, which says that a person can live for 3 minutes without air (oxygen), 3 days without water, and 3 weeks without food.

**Can you drink Philippines tap water?** Is the tap water in the Philippines safe to drink? Water quality in the Philippines usually does not meet the standards set by the national government, especially in urban areas. The only areas of the Philippines confirmed to provide safe drinking water is the metropolitan area of Manila.

**What is the Philippines water law?** The law promotes the protection of different water resources from pollutants brought by industries and commercial establishments and agriculture. The sectoral focus of this policy is industry, manufacturing, public and agriculture sector.

**What is article 51 of the Philippines water code?** Section 51. General Guidelines for Water Resources Development Projects/Programs. – As a general rule, a water resources project/program, may be implemented if it is in accordance with the national socio-economic development goals and objectives or necessary for the national security or protection of life and property.

**What is Article 674 of the Civil Code of the Philippines?** Under Article 674 of the Civil Code, property owners are mandated to construct roofs in such a manner that rainwater will only fall in his own land. More importantly, it obliges the property owner to collect water as to not damage adjacent properties.

**What is the loud pipe ordinance?** Under the new ordinance, all motor vehicles, whether public or private, are not allowed to have modified/loud exhausts that emit and produce noise levels beyond the national standard of 99 decibels (dB). Exempted, however, from the ordinance are vehicles used for car shows, racing/motorsport competitions.

**What is the penalty for muffler pipe in the Philippines?** 99dB qualifies as very loud in terms of noise level. The LTO has also given out guidelines on how to check the sound level of a motor vehicle. Violation of the LTO standards may entail a penalty of up to P5,000.00, a mandatory replacement of exhaust pipes, and a re-inspection.

**What is the Anti Red Tape Act in the Philippines?** Republic Act 9485: An Act to improve efficiency in the delivery of government service to the public by reducing bureaucratic red tape, preventing graft and corruption, and providing penalties therefore. The constitutional basis of the Act is stated in Article II, Section 27 of the 1987.

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