

Study Guide: Week 1 Homeostasis

Pathophysiology Overview:

1. Ethics is an area of (binding rules/ **philosophic study**) that examines **values, actions, and choices to determine right or wrong**
2. A Tort is a **breach of a legal duty that exists by virtue of society's expectations regarding interpersonal conduct by virtue of a contractual relationship**
3. Nursing practice can create a situation described as a moral dilemma. A moral dilemma is defined as **an ethical problem caused by conflicts of rights, responsibilities, values**
4. During osmosis, (particles, water molecules) move across the plasma membrane.
water molecules
5. Thirst prompts fluid intake through action of (baroreceptors, osmoreceptors) located in the (hypothalamus, posterior pituitary).
Osmoreceptors, hypothalamus
6. Isotonic fluid excess causes (hyponatremia, hypervolemia).
Hypervolemia
7. Why did the neuron in panel A swell?



A



B



C

Fluids with less concentration - hypotonic

8. What two organs respond to support acid/ base regulation?

respiratory system and renal system

9. A gene is defined as **a specific set of instructions cells use to make a specific person**
10. Genomics is the study of **a person's genes** while genetics is the study of **the general mechanisms of hereditary and the variation of inherited traits**
11. What is the difference between genotype and phenotype?
Phenotype—observed expression of the genetic code
genotype—genetic code for a given trait
12. A _____ gene will be expressed only if it is present in two copies.
 - a. **recessive**
13. Examine the pedigree chart and answer the questions about it.

Preap Homeostasis Study Guide Answers

RC Schank



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