

# CHAPTER 4 TISSUES AND MEMBRANES

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**What are the 4 tissue membranes?** Tissue membranes are thin sheets of cells that cover and line body surfaces; there are four main types— mucous, serous, cutaneous, and synovial.

**What type of tissue is found in membranes and glands?** The epithelium is a type of body tissue that forms the covering on all internal and external surfaces of your body, lines body cavities and hollow organs and is the major tissue in glands.

**What is a term for flat irregular epithelial cells?** Squamous Epithelia Squamous epithelial cells are generally round, flat, and have a small, centrally located nucleus. The cell outline is slightly irregular, and cells fit together to form a covering or lining.

**What is the general term for a tumor composed of blood or lymphatic vessels?** AngiomaA tumor (usually benign) whose cells tend to form blood vessels (hemangioma) or lymph vessels (lymphangioma); a tumor made up of blood vessels or lymph vessels.

**What are the 4 parts of the membrane?** Cell membranes, regardless of whether they exist in plants, animals, fungi or bacteria, are all made of the same basic components. These components are phospholipids, proteins, carbohydrates and cholesterol or sterols.

**What are 4 functions of the cell membrane?** Protecting the integrity of the interior cell. Providing support and maintaining the shape of the cell. Helps in regulating cell growth through the balance of endocytosis and exocytosis. The cell membrane also plays an important role in cell signalling and communication.

**What type of membrane forms the skin?** The skin is an epithelial membrane also called the cutaneous membrane. It is a stratified squamous epithelial membrane resting on top of connective tissue.

**What are the functions of the body membranes?** Biological membranes have three primary functions: (1) they keep toxic substances out of the cell; (2) they contain receptors and channels that allow specific molecules, such as ions, nutrients, wastes, and metabolic products, that mediate cellular and extracellular activities to pass between organelles and between the ...

**What are the two types of cell membranes?** With few exceptions, cellular membranes — including plasma membranes and internal membranes — are made of glycerophospholipids, molecules composed of glycerol, a phosphate group, and two fatty acid chains.

**What type of tissue is blood?** Blood is considered a specialized connective tissue as it connects all systems of the body and transports oxygen, nutrients, and wastes.

**What type of epithelial cells are found in the epidermis?** The correct option is C Stratified squamous. Epidermis is the outermost layer of skin. It is made of multiple layers of squamous epithelium, commonly referred to as stratified squamous epithelium.

**How do you identify epithelial tissue?** Characteristics of Epithelial Tissue All epithelial tissues share the following common and important characteristics: Free surface: Epithelial tissue always has an apical surface or a free edge. Arranged into sheets or layers: All epithelial tissue is composed of a sheet of cells one or more layers thick.

**What is the growth of abnormal tissue?** A tumor is any abnormal proliferation of cells, which may be either benign or malignant. A benign tumor, such as a common skin wart, remains confined to its original location, neither invading surrounding normal tissue nor spreading to distant body sites.

**What is the medical term for lymph capillaries?** Lymphatic capillaries (CAP-uh-lair-eez), also called lymph capillaries, are tiny vessels that exist throughout your body. A capillary is a tiny tube with an inside diameter as thin as a hair. Lymphatic

capillaries are similar to blood capillaries, but they are larger in diameter and have closed ends.

**What type of large leukocyte surrounds and eats invading cells?** Phagocytes are a type of cell that ingests and kills or destroys invading microorganisms, other cells, and cell fragments. Phagocytes include neutrophils and macrophages. Phagocytosis is the process of a cell engulfing and ingesting an invading microorganism, another cell, or a cell fragment.

**What are the 4 tissue types?** Overview. There are 4 basic types of tissue: connective tissue, epithelial tissue, muscle tissue, and nervous tissue. Connective tissue supports other tissues and binds them together (bone, blood, and lymph tissues). Epithelial tissue provides a covering (skin, the linings of the various passages inside the body).

**What are the 4 serous membranes?** The serous membranes are located in four locations and are named based on these locations. The pleura surrounds the lungs and thoracic cavity, the pericardium surrounds the heart, the tunica vaginalis surrounds the testes in males, and the peritoneum surrounds the abdominal cavity and abdominal organs.

**What are the 4 membranes of the integumentary system?** As the outermost boundary of the body, the skin protects against injuries of many types. O List the general functions of each membrane type-cutaneous, mucous, serous, and synovial-and give its location in the body. o Compare the structure (tissue makeup) of the major membrane types.

**What are the 4 types of tissue quizlet?** Every tissue belongs to one of the four primary tissue types: epithelial, connective, muscle, and nervous tissue. The most widely distributed tissue type in the body is connective tissue.

### **Strangers on a Train: A Psychological Thriller by Patricia Highsmith**

**Paragraph 1:** Patricia Highsmith's *Strangers on a Train* is a gripping psychological thriller that explores the twisted mind of a psychopath. The novel revolves around two strangers, Guy Haines and Bruno Anthony, who meet on a train. Anthony proposes a sinister plan: they will exchange murders, each eliminating the person

the other wants dead.

**Paragraph 2:** Guy, initially appalled by the suggestion, finds himself drawn into Anthony's web of manipulation. As the murders occur, Guy grapples with the guilt and consequences of his actions. The novel delves into themes of morality, obsession, and the consequences of surrendering to evil impulses.

**Q: What is the central plot of Strangers on a Train?** A: Two strangers agree to exchange murders to eliminate the people they each want killed.

**Paragraph 3:** Anthony, the enigmatic psychopath, is a complex and disturbing character. His intelligence, charm, and calculated ruthlessness make him both fascinating and terrifying. Through his interactions with Guy, the reader gains insights into the workings of a psychopathic mind.

**Q: Who is Bruno Anthony and what is his role in the novel?** A: Anthony is a psychopath who proposes the idea of exchanging murders with Guy.

**Paragraph 4:** The writing in Strangers on a Train is taut and suspenseful, keeping readers on edge from beginning to end. Highsmith's spare prose and attention to psychological detail create an atmosphere of unease and claustrophobia.

**Q: What is the writing style of Strangers on a Train?** A: The writing is tense and suspenseful, with spare prose and psychological depth.

**Paragraph 5:** Considered a classic work of psychological fiction, Strangers on a Train explores the dark recesses of the human mind. It remains a chilling and thought-provoking story that resonates with readers to this day.

**Q: How is Strangers on a Train received by critics and readers?** A: It is considered a classic work of psychological fiction, highly praised for its suspenseful plot and psychological depth.

**What are the five elements of strategy at JetBlue?** The framework analysed the five elements related to strategy: arenas, vehicles, differentiators, staging, and economic logic.

**What is the differentiation strategy of JetBlue?** JetBlue differentiated itself from other airlines by: Starting the business with a lot of money—the only carrier with over \$100 million start-up capital Flying new planes that are more reliable and certainly more efficient. Seats are covered in leather with individual monitors for viewing programs from DirecTV.

**Why JetBlue was unable to sustain its strategy?** Although JetBlue was able to create an initial competitive advantage, it was unable to sustain it over time. Because JetBlue failed in reconciling the strategic trade-offs inherent in combining differentiation and cost leadership, it was unable to continue its blue ocean strategy, despite initial success.

**What is the summary of JetBlue?** JetBlue operates over 1,000 flights daily and serves 100 domestic and international network destinations in the Americas and Europe. The airline operates out of six hubs, with its primary being New York's John F. Kennedy International Airport.

**What are the 4 P's of the airline industry?** An airline marketing strategy is an overall business plan that aims to reach prospective consumers, turn them into customers and keep existing ones engaged. When systematically planned, the strategy covers the four Ps of marketing: product, price, place, and promotion.

**What are the 5 core values of JetBlue?** Our values of safety, caring, integrity, passion and fun inspire our culture and guide the decisions that we make every day. A lot has happened in the past two decades!

**Who is JetBlue's biggest competitor?**

**What is JetBlue's competitive advantage?** The combination of low prices and high quality has created a substantial competitive advantage for their competitors to overcome. To add insult to injury for the so called major airlines, JetBlue's pricing policies are very attractive to the business traveler, once the bread and butter for the competing majors.

**What makes JetBlue unique?** First and foremost, the airline is a pioneer in in-flight Wi-Fi. JetBlue offers high-speed service for free "at every seat, on every plane," though you'll get the best service on its new and refurbished A320s and A321s.

JetBlue also offers seatback entertainment screens at every seat.

**What is JetBlue's strategy?** JetBlue's strategy is first to identify the routes that meet its requirements in terms of potential demand, then approach the airports with Requests for Proposals. In other words, JetBlue intends to make the airports compete for its business, and expects to be able to play off one city against another.

**What is JetBlue problem?** The carrier reported a \$716 million loss on Tuesday and expected revenue in the second-quarter to drop by as much as 10.5%. Full-year revenue is expected to be down by single digits. The loss was partly caused by the hefty fees JetBlue had to pay to terminate its merger with Spirit Airlines.

**What are the weaknesses of JetBlue?**

**Why is JetBlue so successful?** Neeleman set up JetBlue in 2000 and modelled it on the lines of the most well-known of discounters: Southwest Airlines. JetBlue adopted a strategy for effective cost control by identifying and eliminating all unnecessary expenses and concentrating on providing high quality services to its passengers.

**What are the key success factors for JetBlue?** JetBlue has a lean cost structure by focusing on operational efficiency, low overhead costs, and lower labor costs. The airline also achieves fuel efficiency by using modern aircraft with fuel-efficient engines and optimized flight paths.

**Which is better, Delta or JetBlue?** When comparing JetBlue and Delta, the overall winner is Delta. The airline flies to more destinations than JetBlue, with its SkyTeam partners providing even more options. Delta flights have better reliability for on-time departures versus JetBlue, and it has fewer cancellations and tarmac delays.

**What are the key elements of blue ocean strategy?** The core concept of Blue Ocean Strategy is value innovation, which means creating a leap in value for both customers and the company. Value innovation is achieved by aligning the four elements of the strategy canvas: the value proposition, the profit proposition, the people proposition, and the strategic profile.

**What are the 5 elements of strategy?** These five elements of strategy include Arenas, Differentiators, Vehicles, Staging, and Economic Logic. This model was

developed by strategy researchers Donald Hambrick and James Fredrickson. To achieve key objectives, every business must assemble a series of strategies.

### **What are the 5 points of strategy?**

**What is JetBlue's strategy?** JetBlue's strategy is first to identify the routes that meet its requirements in terms of potential demand, then approach the airports with Requests for Proposals. In other words, JetBlue intends to make the airports compete for its business, and expects to be able to play off one city against another.

## **Test Bank for Human Anatomy and Physiology Marieb 9th Edition**

### **Introduction**

The ninth edition of Human Anatomy and Physiology by Marieb is a comprehensive and authoritative textbook for students pursuing a course in human biology. To aid in the assessment of student learning, a test bank has been developed to provide instructors with a pool of questions that cover the major concepts of the text.

### **Multiple Choice Questions**

#### **1. Which of the following is NOT a major body cavity?**

(A) Thoracic cavity (B) Abdominal cavity (C) Pelvic cavity (D) Cranial cavity

**Answer:** (B) Abdominal cavity

### **Fill-in-the-Blank Questions**

#### **2. The \_\_\_\_\_ is the primary male reproductive organ.**

**Answer:** Testis

### **Short Answer Questions**

#### **3. Describe the function of the respiratory system.**

**Answer:** The respiratory system exchanges oxygen and carbon dioxide between the blood and the air.

**4. Explain the significance of negative feedback in the regulation of homeostasis.**

**Answer:** Negative feedback loops maintain homeostasis by responding to changes and bringing the body back to a set point.

**Essay Questions**

**5. Discuss the role of the skeletal system in human movement.**

**Answer:** The skeletal system provides support for the body, protects vital organs, allows movement, and stores minerals. It works in conjunction with the muscular system to enable locomotion and other body movements.

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