Chapter 1. History of Pharmacology

Multiple C Identify the	Choice choice that best completes the statement or answers the question.
1.	The Greek word <i>pharmakon</i> means a. medicine. b. poison. c. remedy. d. medicine, poison, and remedy.
2.	The Dutch word <i>droog</i> means a. drop. b. drug. c. dry. d. dirge.
3.	Most ancient societies treated illness based on a. visions received by medicine men. b. trial and error. c. religion. d. animal sacrifice.
4.	Early records show that pharmacological treatments consisted of a. plants. b. minerals. c. animal products. d. plants, minerals, and animal products.
5.	What did the Chinese document <i>The Yellow Emperor's Inner Classic</i> discuss for the first time? a. Yin and yang b. Acupuncture c. Meditation d. Yin and yang and acupuncture
6.	The first Chinese manual on pharmacology included 365 medicines and was written in the a. 1st century CE. b. 2nd century CE. c. 3rd century CE. d. 4th century CE.
7.	The Ebers Papyrus is a. an Iranian medical text written approximately 400 BCE. b. an Egyptian medical document written approximately 1550 BCE. c. an Eskimo medical paper written approximately 750 BCE. d. a Roman medical document written approximately 600 BCE.
8.	The Ebers Papyrus contains

	c	recipes for treating a variety of illnesses. the first detailed drawing of the human anatomy. journal entries of early healers. none of the above.
	a b	Al-Razi, an Iranian, wrote a 20-volume medical book named a. Hawi-Al. b. Rad-Mal. c. Al-Hawi. d. Mal-Rad.
1	a b c	Examples of healers include all of the following except wise men. shamans. medicine men and women. Tiki men. witch doctors.
1	a b	
1	a b	The main cause of death of U.S. soldiers during World War I was infection. accidents. combat injuries. d. infection and accidents.
1	a b	p. Transportation of the drug
1	a b	Alternative medicine includes natural or homeopathic remedies and all of the following except aromatherapy. electroshock therapy. massage. acupuncture.
1	v a b	The science of altering the source of drugs, allowing more to be produced or creating different variations of the source, is known as genetic engineering. pharmacological engineering. medication manipulation. none of the above.

 16.	a. Genetic engineering b. Stem cell research c. Plant hybrid development d. Genetic engineering, stem cell research, and plant hybrid development
17.	What substance is tested daily to find new sources of antibiotics? a. Plants b. Soil c. Minerals d. Water
18.	The alternative medicine that involves the use of fragrant oils is known as a. aromatherapy. b. acupressure. c. acupuncture. d. therapeutic touch.
19.	The alternative medicine that involves the application of pressure at certain points of the body to promote healing is known as a. aromatherapy. b. acupressure. c. acupuncture. d. therapeutic touch.
20.	The alternative medicine that involves insertion of thin needles at certain points of the body to promote healing is known as a. aromatherapy. b. acupressure. c. acupuncture. d. therapeutic touch.
21.	The alternative medicine that involves the use of hand movements to stimulate circulation and healing is known as a. aromatherapy. b. acupressure. c. acupuncture. d. therapeutic touch.
 22.	Sources of drugs include all of the following except a. plants and animals. b. synthetic materials. c. minerals. d. toxins. e. air.
 23.	All of the following drugs are derived from plants except a. aspirin. b. epinephrine

	c. ibuprofen.
	d. digoxin.
	e. Novocain.
 24.	Animal sources for drugs include
	a. horses.
	b. cows.
	c. pigs.
	d. horses, cows, and pigs.
25.	The term that refers to the effect a drug has on the body is
	a. pharmacodynamics.
	b. pharmacokinetics.
	c. pharmacocites.
	d. pharmacyclics.
26	Which of the following drugs is prophylactic?
 20.	a. Estrogen
	b. Diuretic
	c. Flu vaccine
	d. Radiopaque dye
	e. Fever reducer
27	Will 64 64 1 1 1 1 1 1 0
 27.	Which of the following is a replacement drug?
	a. Estrogen
	b. Diuretic
	c. Flu vaccine
	d. Radiopaque dye
	e. Fever reducer
 28.	Which of the following drugs is palliative?
	a. Estrogen
	b. Diuretic
	c. Flu vaccine
	d. Radiopaque dye
	e. Fever reducer
29	What is the source of potassium chloride?
 2).	a. Animal
	b. Plant
	c. Mineral
	d. Human
	e. Synthetic
20	•
 30.	What is the source of barbiturates? a. Animal
	1 10111
	c. Mineral
	d. Human

		e. Synthetic
	31.	Which of the following is a replacement drug? a. Digoxin b. Lasix c. Accutane d. Synthroid e. Plavix
	32.	Which of the following is a diagnostic drug? a. Estrogen b. Barium c. Flu vaccine d. Anti-cancer drug e. Vitamin C
	33.	Which of the following is a destructive drug? a. Antibiotic b. Insulin c. Diuretic d. Psychotropic e. Potassium chloride
Matc	hing	
		Match the following medication categories with their definitions. a. Curative b. Prophylactic c. Diagnostic d. Palliative e. Replacement f. Destructive
	34.	Medication that prevents a problem from occurring
	35.	Medication that helps determine if disease is present
	36.	Medication that treats and corrects an illness
	37.	Medication that destroys something
	38.	Medication that makes the patient more comfortable
	39.	Medication that supplements or provides something that the patient is lacking

Chapter 1. History of Pharmacology Answer Section

MULTIPLE CHOICE

1. ANS: D

Rationale: *Pharmakon* refers to the curing of illness, thus meaning medicine and remedy, as well as to poison, because early medicines were toxic enough to kill a patient or enemy.

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TOP: Unit 1: Introduction to Pharmacology KEY: History

MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology

2. ANS: C

Rationale: *Droog*, which means dry, is the origin of the word *drug*, such as in the use of dry herbs as medications.

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3. ANS: B

Rationale: Ancient societies had little knowledge of how the human body worked; therefore, treating illness was often based on trial and error.

PTS: 1 DIF: Intermediate REF: Page 3

TOP: Unit 1: Introduction to Pharmacology KEY: History

MSC: ABHES goal — Analyze the effect of hereditary, cultural, and environmental influences

4. ANS: D

Rationale: Early records show that plants, minerals, and animal products were the only sources available; therefore, they were the only things used.

PTS: 1 DIF: Easy REF: Page 3

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5. ANS: D

Rationale: This was a very early document discussing yin and yang and acupuncture.

PTS: 1 DIF: Intermediate REF: Page 4

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6. ANS: A

Rationale: The first Chinese manual on pharmacology was written in the 1st century CE and included 365 medicines, 252 of which were herbs.

PTS: 1 DIF: Easy REF: Page 4

TOP: Unit 1: Introduction to Pharmacology KEY: History

7. ANS: B

Rationale: The Ebers Papyrus is an Egyptian medical document that was written circa 1550 BCE and lists about 700 "recipes" for a host of illnesses, from crocodile bites to psychiatric illnesses.				
PTS: 1 DIF: Easy REF: Page 4 TOP: Unit 1: Introduction to Pharmacology ANS: A Rationale: The Ebers Papyrus is an Egyptian medical document and lists about 700 "recipes" for a host of illnesses, from cro				
PTS: 1 DIF: Intermediate REF: Page 4 TOP: Unit 1: Introduction to Pharmacology ANS: C Rationale: Al-Hawi is a 20-volume medical book written by translated into Latin in the 13th century, greatly influencing				
PTS: 1 DIF: Easy REF: Page 4 TOP: Unit 1: Introduction to Pharmacology ANS: D Rationale: Healers were known as wise men, shamans, with women.	KEY: Al-Hawi History			
PTS: 1 DIF: Easy REF: Page 4 TOP: Unit 1: Introduction to Pharmacology ANS: A Rationale: During the 1800s, chemists were finally able to i make medicine from plants, marking the beginning of moder	<u> -</u>			
PTS: 1 DIF: Intermediate REF: Page 4 TOP: Unit 1: Introduction to Pharmacology ANS: D Rationale: More U.S. soldiers died in World War I of infectinjuries.	KEY: History ion and accidents than of actual combat			
PTS: 1 DIF: Intermediate REF: Page 4 TOP: Unit 1: Introduction to Pharmacology ANS: C Rationale: During World War II, mass production of penicil antibiotic to the war effort, thus minimizing deaths caused by	<u> </u>			
PTS: 1 DIF: Intermediate REF: Page 4 TOP: Unit 1: Introduction to Pharmacology ANS: B Rationale: Alternative medicine, also referred to as <i>natural</i> therapies as massage, aromatherapy, acupuncture, acupressure.	<u>*</u>			

8.

9.

10.

11.

12.

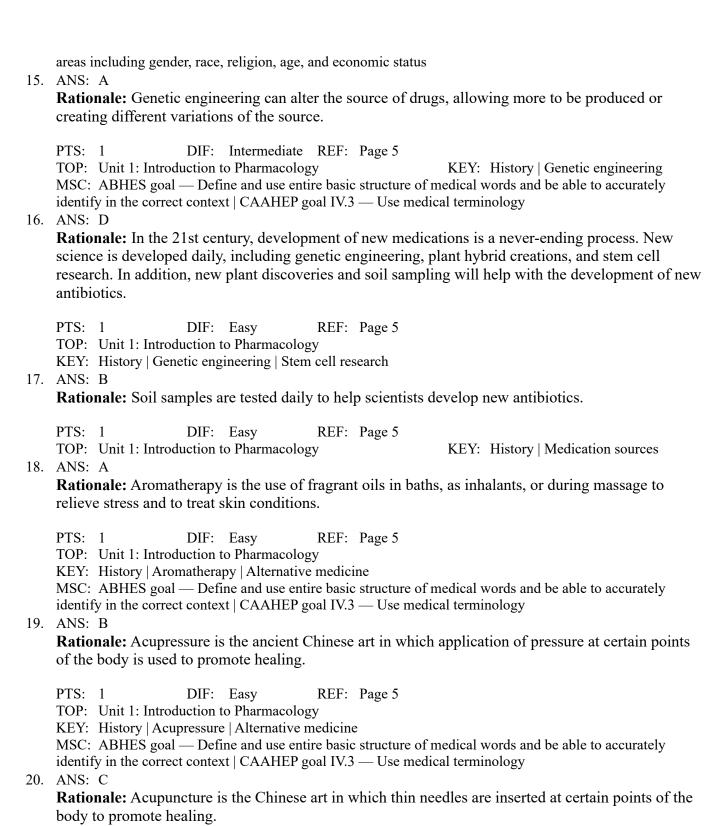
13.

14.

PTS: 1

TOP: Unit 1: Introduction to Pharmacology KEY: History | Homeopathic MSC: ABHES goal — Analyze the effect of hereditary, cultural, and environmental influences | CAAHEP goal IV.23 — Demonstrate respect for individual diversity, incorporating awareness of one's own biases in

DIF: Intermediate REF: Page 5



PTS: 1 DIF: Easy REF: Page 5 TOP: Unit 1: Introduction to Pharmacology

KEY: History | Acupuncture | Alternative medicine

MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately

healing. PTS: 1 REF: Page 5 DIF: Easy TOP: Unit 1: Introduction to Pharmacology KEY: History | Therapeutic touch | Alternative medicine MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology 22. ANS: E Rationale: Drug sources include synthetic materials (manufactured in a sterile clinical lab), plants, animals, minerals, and toxins. PTS: 1 DIF: Easy REF: Page 6 TOP: Unit 1: Introduction to Pharmacology KEY: History | Drug sources 23. ANS: C **Rationale:** Ibuprofen is an example of a medication that is produced synthetically in a laboratory. Aspirin comes from bark of the white willow tree, epinephrine comes from the ephedra shrub, digoxin comes from the foxglove plant, and Novocain comes from the coca plant. DIF: Intermediate REF: Page 6 TOP: Unit 1: Introduction to Pharmacology KEY: History | Drug sources 24. ANS: D Rationale: Domesticated animals are used for some medications. Premarin is produced from a pregnant mare's urine, cows and pigs provide hormone replacement medications such as insulin, and lanolin is made from sheep's wool. PTS: 1 DIF: Easy REF: Page 6 TOP: Unit 1: Introduction to Pharmacology KEY: History | Drug sources 25. ANS: A Rationale: Pharmacodynamics refers to the effect a drug has on the body or, scientifically, the negative and positive biochemical and physiological changes it creates. PTS: 1 DIF: Intermediate REF: Page 8 TOP: Unit 1: Introduction to Pharmacology KEY: History | Pharmacology MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology 26. ANS: C **Rationale:** The flu vaccine is administered to prevent the patient from contracting influenza. PTS: 1 DIF: Intermediate REF: Page 8 TOP: Unit 1: Introduction to Pharmacology KEY: Pharmacology MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology 27. ANS: A Rationale: Estrogen is a female hormone that is lost when the ovaries no longer function appropriately because of disease or surgery. Therefore, estrogen would be administered to replace the naturally occurring estrogen that is now absent.

identify in the correct context | CAAHEP goal IV.3 — Use medical terminology

Rationale: Therapeutic touch involves the use of hand movements to stimulate circulation and

21. ANS: D

PTS: 1 DIF: Intermediate REF: Page 9 TOP: Unit 1: Introduction to Pharmacology KEY: Pharmacology MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology 28. ANS: E Rationale: Fever reducers such as acetaminophen are administered as a palliative measure, which means that the patient is being given medication to ease symptoms, not cure disease. PTS: 1 DIF: Intermediate REF: Page 8 TOP: Unit 1: Introduction to Pharmacology KEY: Pharmacology MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology 29. ANS: C **Rationale:** Potassium is necessary for the heart to function properly, so patients who are at risk for potassium deficiencies are given the medication potassium chloride, which is obtained from the earth in mineral form. PTS: 1 DIF: Basic REF: Page 7 TOP: Unit 1: Introduction to Pharmacology KEY: Pharmacology 30. ANS: E Rationale: Barbiturates are examples of medications produced in sterile laboratories and, therefore, are synthetic medications. DIF: Intermediate REF: Page 6 TOP: Unit 1: Introduction to Pharmacology KEY: Pharmacology 31. ANS: D Rationale: Synthroid is a form of thyroid hormone that is used as a replacement when the thyroid gland is not producing enough of the hormone on its own. PTS: 1 DIF: Intermediate REF: Page 9 TOP: Unit 1: Introduction to Pharmacology KEY: Pharmacology MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology 32. ANS: B Rationale: Barium is used to make soft organs more visible during radiography, thus helping to diagnose disease processes. PTS: 1 DIF: Intermediate REF: Page 8 TOP: Unit 1: Introduction to Pharmacology KEY: Pharmacology MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately identify in the correct context | CAAHEP goal IV.3 — Use medical terminology 33. ANS: A Rationale: Antibiotics are considered destructive drugs because they kill or destroy bacteria. DIF: Advanced REF: Page 9 KEY: Pharmacology TOP: Unit 1: Introduction to Pharmacology MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately

identify in the correct context | CAAHEP goal IV.3 — Use medical terminology

MATCHING

34.	ANS: B TOP: Unit 1: Intro					
	MSC: ABHES goa	l — Define and u	se entire basic	structure of m	edical v	words and be able to accurately
	identify in the corre	ct context CAAI	HEP goal IV.3	Use medical	al termi	nology
35.	ANS: C	PTS: 1	DIF:	Intermediate	REF:	Page 9
	TOP: Unit 1: Intro	duction to Pharma	acology		KEY:	Pharmacology
	MSC: ABHES goa	l — Define and u	se entire basic	structure of m	edical v	words and be able to accurately
	identify in the corre	ct context CAAI	HEP goal IV.3	Use medic	al termi	nology
36.	ANS: A	PTS: 1	DIF:	Intermediate	REF:	Page 9
	TOP: Unit 1: Intro	duction to Pharma	acology		KEY:	Pharmacology
	MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurately				words and be able to accurately	
	identify in the corre	ct context CAAI	HEP goal IV.3	Use medic	al termi	nology
37.	ANS: F	PTS: 1	DIF:	Intermediate	REF:	Page 9
	TOP: Unit 1: Intro	duction to Pharma	acology		KEY:	Pharmacology
	MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accuratel					
	identify in the corre	ct context CAAI	HEP goal IV.3	Use medical	al termi	nology
38.	ANS: D	110. 1				
	TOP: Unit 1: Intro	duction to Pharm	acology		KEY:	Pharmacology
	MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accurate				words and be able to accurately	
	identify in the corre	ct context CAAI	HEP goal IV.3	Use medical	al termi	nology
39.	ANS: E	PTS: 1	DIF:	Intermediate	REF:	Page 9
	TOP: Unit 1: Intro					
	MSC: ABHES goal — Define and use entire basic structure of medical words and be able to accuratel				words and be able to accurately	
	identify in the correct context CAAHEP goal IV.3 — Use medical terminology					nology