

# Veterinary Terminology

At the completion of this unit, students will be able to:

- A. Match scientific names with their appropriate species
- B. Define medical terms related to each body system;
- C. Identify prefixes, suffixes, and root words, in order to define medical terms;
- D. Decipher directional terminology
- E. Define medical abbreviations
- F. Extract and interpret information from realistic medical documents.



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A. Match scientific names with their appropriate species

## SCIENTIFIC NAMES OF ANIMALS

Common Name	Latin	Species Name
Dog	Canis	Canine
Cat	Felis	Feline
Horse	Equus	Equine
Cattle	Bos	Bovine
Sheep	Ovis	Ovine
Goat	Capra	Caprine
Pig	Sus	Porcine
Bird	Avis	Avian
Mouse	Mus	Murine
Rat	Rattus	Murine



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B. Define medical terms related to each body system;

## BODY SYSTEM TERMS

➤ Your body is made up of many systems, each having their own vital parts that work together. This list represents your bodily systems and the specific parts that comprise them:



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B. Define medical terms related to each body system;

## BODY SYSTEM TERMS

- **Skeletal:** Bones and joints
- **Muscular:** Muscles and tendons
- **Integumentary:** Skin, hair, nails, and glands in skin

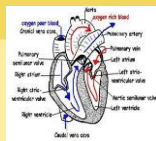


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B. Define medical terms related to each body system;

## BODY SYSTEM TERMS

- **Sensory:** Eyes, ears, nose, skin receptors, and mouth
- **Cardiovascular:** Heart, blood vessels, and blood
- **Lymphatic:** Tonsils, spleen, thymus, lymph nodes, lymphatic vessels, and lymph fluid

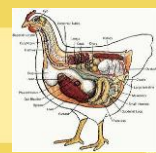


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B. Define medical terms related to each body system;

## BODY SYSTEM TERMS

- **Respiratory:** Nose, pharynx, larynx, trachea, bronchi, and lungs
- **Gastrointestinal:** Mouth, esophagus, stomach, small and large intestines, pancreas, liver, and gallbladder
- **Endocrine:** Hormones, pituitary gland, thyroid, adrenal glands, pancreas, and gonads



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B. Define medical terms related to each body system;

### BODY SYSTEM TERMS

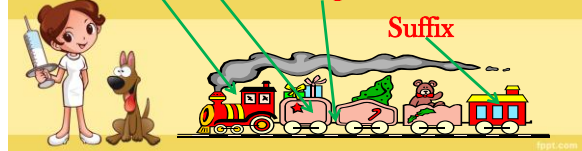
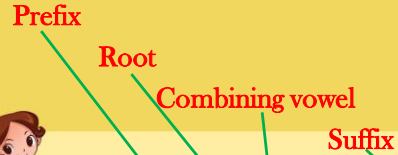
- **Nervous:** Brain, spinal cord, ganglia, nerves, and sensory organs
- **Urinary:** Kidneys, ureters, bladder, and urethra
- **Reproductive:** Ovaries, uterine tubes, uterus, and vagina in females; testes, ducts, penis, urethra, and prostate in males



C. Identify prefixes, suffixes, and root words, in order to define medical terms;

### MEDICAL TERMS

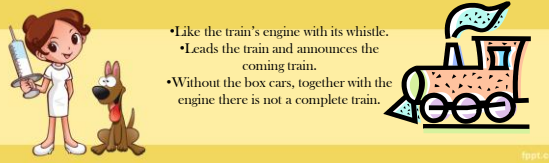
- Medical terms are composed of word part combinations consisting of:



C. Identify prefixes, suffixes, and root words, in order to define medical terms;

### MEDICAL TERMS: PREFIXES

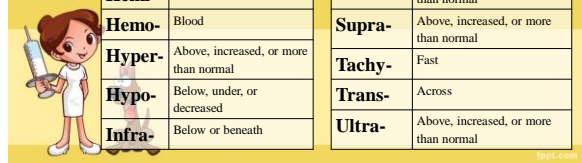
- Consists of one or more syllables
- Placed at the beginning of word
- Can never stand alone



C. Identify prefixes, suffixes, and root words, in order to define medical terms;

### MEDICAL TERMS: PREFIXES

<b>a-</b>	No, not, without, away from	<b>Inter-</b>	Between
<b>Brady-</b>	Slow	<b>Intra-</b>	Within
<b>Dys-</b>	Bad, difficult, painful	<b>Meta-</b>	Beyond
<b>Epi-</b>	Upper	<b>Poly-</b>	Many
<b>Eryth-</b>	Red	<b>Sub-</b>	Below, under, or decreased
<b>Hemi-</b>	Half	<b>Super-</b>	Above, increased, or more than normal
<b>Hemo-</b>	Blood	<b>Supra-</b>	Above, increased, or more than normal
<b>Hyper-</b>	Above, increased, or more than normal	<b>Tachy-</b>	Fast
<b>Hypo-</b>	Below, under, or decreased	<b>Trans-</b>	Across
<b>Infra-</b>	Below or beneath	<b>Ultra-</b>	Above, increased, or more than normal

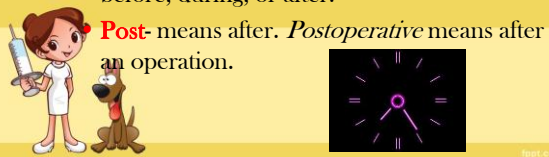


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### MEDICAL TERMS: PREFIXES

For example: operative

- **Pre-** means before. *Preoperative* means before or preceding an operation.
- **Peri-** means around. *Perioperative* means pertaining to the period around an operation; before, during, or after.
- **Post-** means after. *Postoperative* means after an operation.

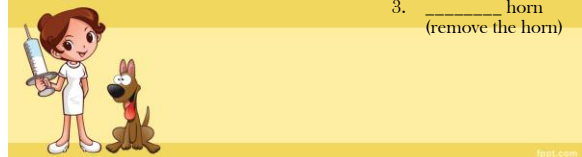


C. Identify prefixes, suffixes, and root words, in order to define medical terms;

### MEDICAL TERMS: PREFIXES

#### Practice

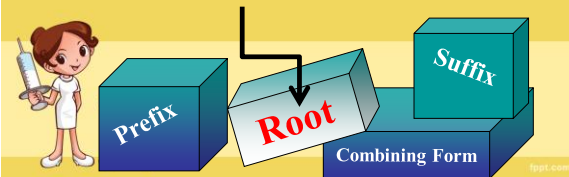
- a-, an- (without or not having)
  - brady- (slow)
  - de- (remove, take away, loss of)
  - dys- (difficult, troubled)
  - hyper- (high)
1. \_\_\_\_\_ biotic (against life)
  2. \_\_\_\_\_ thermia (high temperature)
  3. \_\_\_\_\_ horn (remove the horn)



C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: ROOT WORDS

- **ROOT-**
  - Main part and core meaning of word
  - Gives you a general idea of what you're dealing with



C. Identify prefixes, suffixes, and root words, in order to define medical terms;

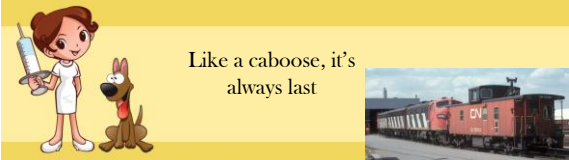
## MEDICAL TERMS: ROOT WORDS

<b>Abdomin/o</b>	Abdomen	<b>Gastr/o</b>	Stomach
<b>Aden/o</b>	Gland	<b>Gynec/o</b>	Female
<b>Audi/o</b>	Hearing	<b>Hemat/o</b>	Blood
<b>Bio</b>	Life	<b>Hist/o,</b>	Tissue
<b>Brachi/o</b>	Arm	<b>Histi/o</b>	
<b>Bronch/i/o</b>	Bronchus	<b>Intestin/o</b>	Intestine
<b>Carcin/o</b>	Cancer	<b>Lapar/o</b>	Abdomen, loin, flank
<b>Cardi/o</b>	Heart	<b>Lymph/o</b>	Lymph vessels
<b>Cephal/o</b>	Head	<b>Mamm/a,</b>	Mammary Gland
<b>Col/o</b>	Colon	<b>Mamm/o</b>	
<b>Cyt/o</b>	Cell	<b>Nas/o</b>	Nose
<b>Dent/i/o</b>	Teeth	<b>Ophthalm/o</b>	Eye
<b>Derm/a/o,</b>	Skin	<b>Ot/o</b>	Ear
<b>dermat/o</b>		<b>Steth/o</b>	Chest
<b>Encephal/o</b>	Brain	<b>Thorac/o</b>	Thorax
		<b>Trache/o</b>	Trachea

C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: SUFFIXES

- **End** of a word.
- Indicates procedure, condition, disease, or disorder.
- **Cannot stand alone.**



C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: SUFFIXES

<b>-algia</b>	Pain	<b>-pathy</b>	Disease
<b>-cyte</b>	Cell	<b>-penia</b>	Deficiency of
<b>-ectomy</b>	Surgical removal	<b>-phagia</b>	Eating, swallowing
<b>-graphy</b>	Recording of	<b>-plegia</b>	Paralysis, stroke
<b>-iasis</b>	Infestation or infection	<b>-pnea</b>	Breathing
<b>-ism</b>	State or condition	<b>-sclerosis</b>	Abnormal hardening
<b>-itis</b>	Inflammation	<b>-scope</b>	Instrument for examining
<b>-lysis</b>	Destruction of	<b>-sepsis</b>	infection
<b>-megaly</b>	Abnormally large	<b>-spasm</b>	Involuntary contraction
<b>-ology/ologist</b>	Specialist/study of	<b>-stasis</b>	Control, constant level
<b>-oma</b>	Tumor	<b>-stenosis</b>	Narrowing
<b>-osis</b>	Abnormal condition, disease	<b>-tomy</b>	Cutting, incision
<b>-oxia</b>	Oxygen	<b>-toxin</b>	Poison

C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: COMBINING FORMS

Many medical words need a letter to connect the prefix to the root or the root to the suffix



C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: COMBINING FORMS

- Vowel commonly used: **"o"**
- If the suffix starts with a consonant, **connect** the rootword and the suffix with the vowel **"o"**.

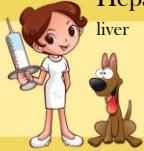
Root Word	+	<u>CV</u>	Suffix	New word
Cardi	+	-o-	-logy	Cardiology
"Heart"			study of	Study of the heart

C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: COMBINING FORMS

- If the suffix starts with a vowel (a,e,i,o,u) **DO NOT USE** the vowel “o”. Just attach the suffix to the root word.

Root Word	+	Suffix	New word
Hepat/o		-osis	Hepatosi
liver		-disease process	-disease in the liver



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C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: COMBINING FORMS

- If the suffix begins with the same vowel as the root word, **DO NOT** repeat the vowel.

Root Word	+	Suffix	New word
Cardi		-itis	Carditis
heart		-inflammation of	- inflammation of the heart



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C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: SUFFIXES

Practice

Erythrocyte:	red blood cell
Appendectomy:	to surgically remove appendix
Cardiomegaly	Abnormally large heart
Arthritis:	inflammation of the joints
Biology:	the study of life
Carcinoma:	cancerous tumor
Stethoscope	Instrument for examining heart
Dermatitis	Inflammation of skin
Hemolysis:	Destruction of blood
Hemiplegia	Paralysis of 1/2 of body



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C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS: PRACTICE

Any of these combinations work:

- Prefix + Suffix
- Prefix + Root
- Root + Suffix
- Prefix + Root + Suffix

\*\*Prefixes never stand alone  
\*\*Suffixes never stand alone



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C. Identify prefixes, suffixes, and root words, in order to define medical terms;

## MEDICAL TERMS:

### Dice Activity



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D. Decipher directional terminology

## DIRECTIONAL TERMINOLOGY

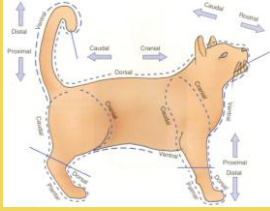
Doctors & Veterinarians use specific terminology to identify certain locations on the body



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D. Decipher directional terminology

## DIRECTIONAL TERMINOLOGY



**Caudal** - towards the tail

**Cranial** - towards the head

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D. Decipher directional terminology

## DIRECTIONAL TERMINOLOGY



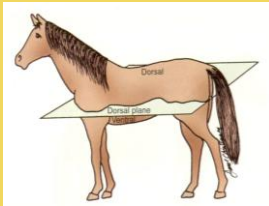
**Deep** - further from the surface

**Superficial** - closer to the surface

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D. Decipher directional terminology

## DIRECTIONAL TERMINOLOGY



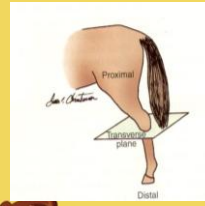
**Dorsal** - along the back or uppermost surface

**Ventral** - along the belly

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D. Decipher directional terminology

## DIRECTIONAL TERMINOLOGY



**Distal** - part of the limb furthest from the body

**Proximal** - part of the limb closest to the body

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D. Decipher directional terminology

## DIRECTIONAL TERMINOLOGY



**Anterior** - front of the animal

**Posterior** - rear of the animal

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D. Decipher directional terminology

## DIRECTIONAL TERMINOLOGY

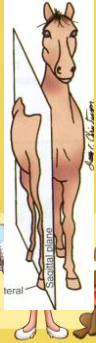


**Median** - body plane that divides the animal into "equal" right and left halves

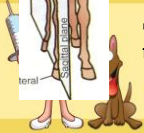
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D. Decipher directional terminology

### DIRECTIONAL TERMINOLOGY



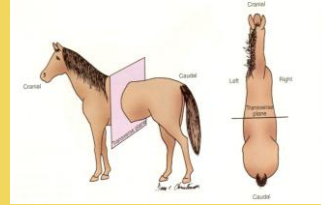
**Sagittal** - any body plane that is parallel to the median plane. (doesn't divide equally)



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D. Decipher directional terminology

### DIRECTIONAL TERMINOLOGY



**Transverse** - body plane that divides the body into cranial and caudal parts



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D. Decipher directional terminology

### DIRECTIONAL TERMINOLOGY



**Lateral** - side of an animal

**Medial** -



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D. Decipher directional terminology

### DIRECTIONAL TERMINOLOGY

#### Gummi Bear Lab

Each student needs:

- 1 Lab Sheet
- 1 plastic knife
- 1 Napkin
- 10 Gummy Bears



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E. Define medical abbreviations

### MEDICAL ABBREVIATIONS

Do you know these?

LOL

BFF

GR8

2NTE

TTFN

BRB

IDK

TGIF



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E. Define medical abbreviations

### MEDICAL ABBREVIATIONS

How about these?

lbs

ml

CWT

hd

STAT

tsp



qt

hr

min

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E. Define medical abbreviations

### MEDICAL ABBREVIATIONS

<b>ad lib</b>	As much as desired	<b>Dx</b>	Diagnosis
<b>sid</b>	Once time daily	<b>Hx</b>	History
<b>bid</b>	Two times daily	<b>Rx</b>	Prescription
<b>tid</b>	Three times daily	<b>Sx</b>	Surgery
<b>qid</b>	Four times daily	<b>FeLV</b>	Feline Leukemia Virus
<b>qh</b>	Every hour	<b>FIA</b>	Feline Infectious Anemia
<b>qd</b>	Every day	<b>FIP</b>	Feline Infectious Peritonitis
<b>w/o</b>	Without	<b>ECG</b>	Electrocardiogram
<b>stat</b>	Immediately	<b>ICU</b>	Intensive Care Unit
<b>n</b>	Normal	<b>cc</b>	Cubic Centimeter
<b>DSH</b>	Domestic Short Hair	<b>ml</b>	Milliliter
<b>DLH</b>	Domestic Long Hair		

E. Define medical abbreviations

### MEDICAL ABBREVIATIONS

<b>wt</b>	Weight	<b>Wbc</b>	White blood cell
<b>HR</b>	Heart Rate	<b>DVM</b>	Doctor of Vet. Medicine
<b>PCV</b>	Packed Cell Volume	<b>CNS</b>	Central Nervous System
<b>sg</b>	Specific Gravity	<b>GI</b>	Gastrointestinal
<b>TPR</b>	Temp, Pulse, Respiration	<b>DOA</b>	Dead on arrival
<b>UA, U/A</b>	Urinalysis	<b>DOB</b>	Date of Birth
<b>IM</b>	Intramuscular	♀	Female
<b>IP</b>	Intraperitoneal	♂	Male
<b>IV</b>	Intravenous	<b>V/D</b>	Vomiting & Diarrhea
<b>Sub-Q</b>	Subcutaneous	<b>NSF</b>	No Significant findings
<b>rbc</b>	Red blood cell	<b>PE</b>	Physical Examination

E. Define medical abbreviations

### MEDICAL ABBREVIATIONS

<b>L</b>	Left		
<b>R</b>	Right		
<b>HBC</b>	Hit by car		
<b>Bbd</b>	Bit by dog		
<b>NPO</b>	Nothing by mouth		
<b>UTI</b>	Urinary tract infection		
<b>CRT</b>	Capillary Refill Time		
<b>E&amp;D</b>	Eating & Drinking		

E. Define medical abbreviations

### MEDICAL ABBREVIATIONS

#### Practice...

- Administer 2cc per 10lbs, bid
- Rx: 6mL IM qid

Vaccinate for FIA, FeLV and FIP.

E. Define medical abbreviations

### MEDICAL ABBREVIATIONS



F. Extract and interpret information from realistic medical documents.

