#### Honors Anatomy and Physiology REVIEW

**(100 Multiple choice/ 15 points Short Answer—Extra Credit)**

\_\_\_\_\_\_\_\_\_ increase in number when you have an infection.

\_\_\_\_\_\_\_\_\_\_\_ is a disease caused by lack of iron.

 \_\_\_\_\_\_\_\_\_\_\_cause infection.

 RBC stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The genus and species of the pig we dissected is \_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_.

Pigs are called ungulates because they \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Another name for the belly button is \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A fancy word for fat is \_\_\_\_\_\_\_\_\_\_\_\_.

A fetal pig’s skeleton is made out of \_\_\_\_\_\_\_\_\_\_\_\_\_.

Another term for mammary papillae is \_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_ attach bones to bones.

\_\_\_\_\_\_\_\_\_\_\_\_\_attach muscles to bones.

The number of piglets in a litter is usually \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The functional and structural unit of the kidney is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The glomerulus / Bowman’s Capsule is the site of \_\_\_\_\_\_\_\_\_\_\_\_.

Which of the following is not a function of the kidneys?

Sugar (glucose) is not normally found in the blood because…

Electrolyte balance is very important because…

Aldosterone controls \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

ADH stands for \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

ADH regulates how much \_\_\_\_\_\_\_\_\_ is excreted out of our bodies.

To relax after a tough final exam week, Ned goes to the local pub to down a large quantity of beer. The next morning, he does not feel so well because…

Kinking of the ureter might cause \_\_\_\_\_\_\_\_\_\_\_\_\_

The amount of urine produced daily in a normal adult is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Females get more urinary tract infections than males because \_\_\_\_\_\_\_\_\_\_\_\_\_

A “little organ” that has a specific function in a cell is called a

These organelles break down or digest things in a cell.

Diffusion is a type of Passive transport. It \_\_\_\_\_\_\_\_ requires energy.

Diffusion is effected by the size of the molecules and \_\_\_\_\_\_\_\_\_\_\_\_\_.

The diffusion of water

Solute pumps help transport \_\_\_\_\_\_\_\_\_\_\_\_ across cell membranes.

Cell eating of solids is called

Taking substances into a cell is called

Tissues that cover or line your body.

The three major types of epithelial cells are squamous, \_\_\_\_\_\_\_\_\_ and columnar.

Glands that have ducts.

Tissues that contract or shorten.

Tissues that protect, support and bind together.

The \_\_\_\_\_\_\_\_\_\_\_\_ is made out of hyaline cartilage.

The scientific word for fat is \_\_\_\_\_\_\_\_\_\_\_\_\_.

Blood is classified as a(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ tissue.

These are some of the longest cells in your body.

 The three type of muscle cells are cardiac, smooth and \_\_\_\_\_\_\_\_\_\_\_\_.

Simple sugars are called

Elements are made up of small units called

The number of protons in the nucleus equals the

Electrons move at different distances from the nucleus in

Atoms carry positive and negative charges are called

Substances consisting of only one kind of atom are termed

There are twenty different kinds of these from which all proteins are formed.

A(n) \_\_\_\_\_\_\_\_ has a pH of 8-14.

Compounds of living things are called

A(n) \_\_\_\_ is a protein which acts as a catalyst.

Since the hydrogen atom has one electron and one proton, we say it has an atomic number of \_\_\_\_.

# The movement of the molecules from areas of high concentration to areas of lower concentration is

An SPM is a membrane that :

*Goldilocks and the Three Cells* showed us that as cells grow large:

The process where DNA makes almost the same copy of itself is called

There will be decrease in cell volume when the sugar sausage is in a(n):

Cells may be what shapes?

Which of the following is not a basic chemical making up the cell cytoplasm?
\_\_\_\_\_\_\_\_\_\_\_ are the basic building blocks of life.

Nails are \_\_\_\_\_\_\_\_\_\_.

The word integument means

\_\_\_\_\_\_\_\_\_\_\_ membrane is your skin

 Mucous membranes line \_\_\_\_\_\_\_\_\_\_\_\_.

The function of your skin is to protect the deeper tissues from

 Which cell layer of the skin has no blood supply?

Which cell layer of the skin is called the “hide”?

 What protein is found in the hair, nails and epidermis?

An example of a multiaxial diarthroses joint is your \_\_\_\_\_\_\_\_\_\_.

 An example of a biaxial joint is your \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

A fancy word for “feeling your bones through your body “ is called \_\_\_\_\_\_\_\_\_\_\_\_\_.

The strongest bone in your face is called the \_\_\_\_\_\_\_\_\_\_.

The process of bone forming from cartilage is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Gout is a form of \_\_\_\_\_\_\_\_\_\_\_\_\_.

The most crippling type of arthritis is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a lateral curvature of the spine.

The \_\_\_\_\_\_\_\_\_\_\_\_\_ helps you swallow and talk. It is not attached to anything.

The human has \_\_\_\_\_\_\_\_ (how many total ? )ribs.

There are \_\_\_\_\_\_\_\_ **pairs** of false ribs.

The major function of the small intestine is to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The major function of the large intestine is to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The function of the gall bladder is to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

What is the major function of the liver?

This muscle bulges when you bend your elbow.

The large flat muscle that covers your back is the \_\_\_\_\_\_\_\_\_\_.

This muscle is the smiling muscle.

This is the kissing muscle.

The “ideal, healthy state of the body” is \_\_\_\_\_\_\_\_\_\_\_.

The common passageway for food and air is the \_\_\_\_\_\_\_\_\_\_\_.

This is where gases are exchanged by simple diffusion.

The trachea is where air travels and its common name is the \_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_helps protect your lungs form friction.

Your “guardian of airways” is the \_\_\_\_\_.

The branch that goes to your lungs is the \_\_\_\_\_\_\_\_\_\_.

The smallest branches in the lungs are \_\_\_\_\_\_\_\_\_\_.

The broad base of muscle that your lungs rest upon is the \_\_\_\_\_\_\_\_\_\_\_.

Hemoglobin carries \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The four main blood types are \_\_\_\_\_\_\_\_\_\_\_\_.

Erythrocyte is another name for \_\_\_\_\_\_.

The universal donor is \_\_\_\_\_\_\_\_\_\_\_.

Circulation to and from the lungs is \_\_\_\_\_\_\_\_\_\_\_\_\_.

The first two branches off the aorta go to the \_\_\_\_\_\_\_\_\_.

White blood cells are also called \_\_\_\_\_\_\_\_.

If urine stays too long in the bladder, one might develop \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Incontinence is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Urinalysis’ are important because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A chemical messenger is a \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 Your adrenal glands help you \_\_\_\_\_\_\_\_\_\_\_\_\_.

 Hyposecretion means that hormone levels are \_\_\_\_\_\_\_\_\_\_\_\_\_.

The decreasing function of the ovaries at menopause leads to\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

 When you have hyposecretion of growth hormone you have

The sac that holds the testes is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The passageway through the penis that sends sperm and urine out of the body is the

This is where sperm spend time maturing.

The inner wall of the uterus is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Ovulation occurs around the \_\_\_\_\_\_ day after the beginning of the menstral cycle.

The cervix is located \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

This is when women stop having their monthly cycle, and they no longer can have children.

A fertilized egg is also called a \_\_\_\_\_\_\_\_\_\_\_\_.

When an egg attaches to the uterine wall it is called \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Water on the brain is also called\_\_\_\_\_\_\_\_\_\_\_\_.

The largest part of the brain is the \_\_\_\_\_\_\_\_\_\_\_\_

If Susie Q hit the back of her cerebrum she would have trouble \_\_\_\_\_\_\_\_.

If Jason damaged his cerebellum, he would have trouble \_\_\_\_\_\_\_\_\_\_\_.

As we learn, the cerebrum forms deep grooves called \_\_\_\_\_.

The medulla oblongata, pons and midbrain make up the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The resting and digesting part of the nervous system is the \_\_\_\_\_\_\_\_\_\_\_\_\_.

The three layered covering which covers and protects the brain and spinal cord

The part of the nervous system which is made up of the brain and spinal cord is

The basic cell of the nervous system is called the \_\_\_\_\_\_\_\_\_\_,

The fright or flight system is also called the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The PNS is made up of \_\_\_\_\_\_\_\_\_\_\_.

\_\_\_\_\_\_\_\_ are raised parts of the cerebrum.

A(n) \_\_\_\_\_\_\_\_\_\_\_\_\_\_ is a message carried by a nerve cell.

The gap between two nerve cells is called a \_\_\_\_\_\_\_\_\_\_.

**True or False. Bubble in A for True and B for False. (1 point each)**

The prefix cephal- means head.

The prefix neur- means vessel.

The prefix dors- means arm.

The prefix hyper- means above.

The prefix pulmo- means lungs.

The prefix cervic- means neck.

The word that means nearest to the trunk or point of attachment is distal.

The term which means front of the body is anterior.

The term which means away from the midline or toward the side is medial.

The term which is another word for superior is cephalic.

The term which means toward the midline is lateral.

The stomach is inferior to the chin.

The mouth is superior to the stomach.

The breastbone is deep to the lungs.

The eye is medial to the nose.

The hand is distal to the elbow.

The prefix brachi- means foot.

 The prefix arthro- means join

 The prefix caud- means smell.

The prefix hypo- means beneath or below.

The prefix hepat- means disease.

The prefix osteo- means bone.

The prefix cardi- means neck.

The term which means the same thing as anterior, on a four legged animal, is ventral.

What are the three types of burns?

#### Chromosomes are made up of

Ribosomes make proteins. Ribosomes are **made** in the

 Only \_\_\_\_\_\_\_\_\_\_\_\_\_\_ muscle is voluntary.

Connective and \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_cells regenerate or reproduce.

Another term for scar tissue.

\_\_\_\_\_\_\_\_\_\_\_\_\_ tumors are fast growing and cancerous.

Cells that cannot reproduce are called

The four shapes of bones are long, short, irregular and \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Compact bone is different from spongy bone because its \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

An osteocyte is a(n)\_\_\_\_\_\_\_\_\_\_\_\_ cell.

The human skeleton has \_\_\_\_\_\_\_\_\_\_(how many) cervical vertebrae.

The human skeleton has \_\_\_\_\_\_\_\_\_\_(how many) thoracic vertebrae.

The fancy word for soft spot is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The atlas lets you say “\_\_\_\_\_\_\_”.

The appendicular skeleton includes the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Articulate is a fancy word for \_\_\_\_\_\_\_\_\_\_\_\_\_.

The pelvic girdle is large so that it can \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

The longest bone in your body is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Short Answer---For each body system or unit, describe one disease/ imbalance of homeostasis OR… one lab we did and the concept Mrs. C was trying to teach you….**

**Body Orientation---Anatomy Terms**

**Imbalance of Homeostasis?**

**Anatomy Bingo**

**Stuffed Animal Activity**

**Biochemistry**

**Imbalance of Homeostasis?**

**Fish Lab**

**Marshmallow Atoms**

**Cells and Tissues**

**Imbalance of Homeostasis?**

**Goldilocks and the Three Cells**

**Sugar Sausage Lab**

**Bubble Lab**

**Integumentary System**

**Imbalance of Homeostasis?**

**Skin Coop**

**Skeletal System-**

**Imbalance of Homeostasis?**

**Be the Bone Project**

**Muscle System**

**Imbalance of Homeostasis?**

**Sports Injuries Project**

**Chicken Wing Dissection**

**Digestive System**

**Imbalance of Homeostasis?**

**Digestive system with yarn**

 **Cardiovascular System**

**Imbalance of Homeostasis?**

**Blood Pressure- Pulse Rate Exercise Lab**

**Lymphatic Systems**

**Imbalance of Homeostasis?**

**Respiratory**

**Imbalance of Homeostasis?**

**Lung Lab**

**Urinary Systems**

**Imbalance of Homeostasis?**

**Urinalysis Lab**

**Nervous System**

**Imbalance of Homeostasis?**

**Sheep Brain/ Heart/ Eyeball Lab**

**Endocrine-**

**Imbalance of Homeostasis?**

**Endocrine Mobile**

**Reproductive Systems**

**Imbalance of Homeostasis?**

**Honors Project**

**Imbalance of Homeostasis?**